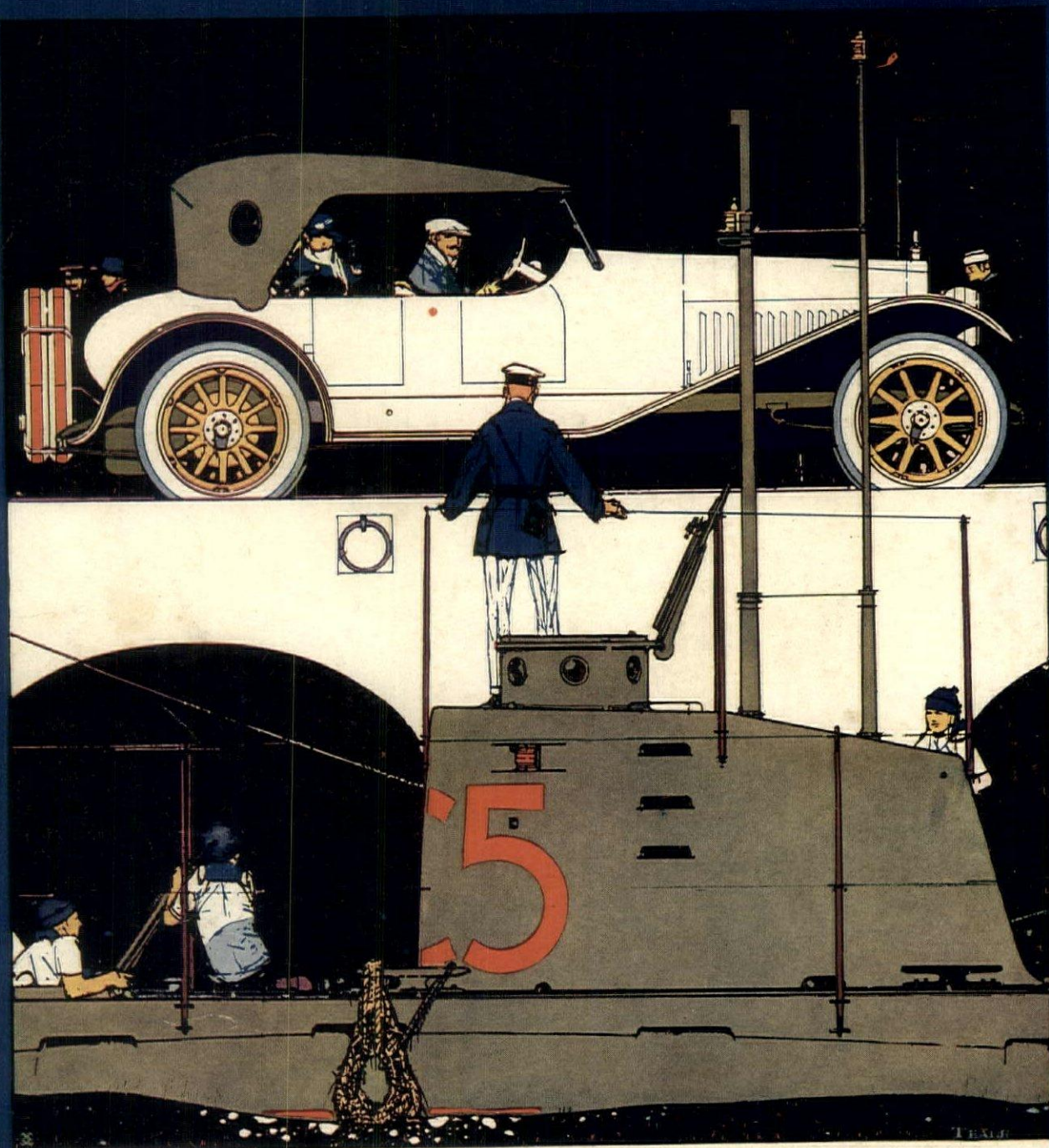


House & Garden





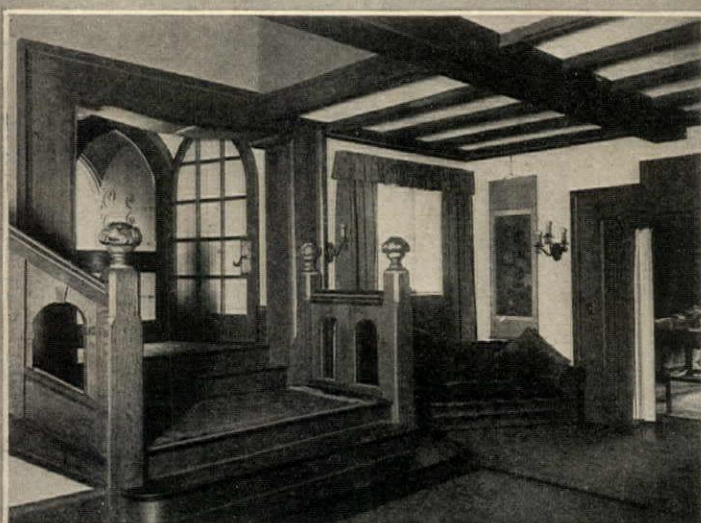
White Sixteen valve 4'

THE RUNABOUT BODY

THREE STAGES OF MOTOR DEVELOPMENT

In the first stage, higher power was obtained by building larger cylinders. In the second stage, greater flexibility was secured by adding cylinders. Both involve serious handicaps in a reciprocating engine. In the third stage, upon which gas engine design is now entering, a higher range of inherent capability has been developed—more power from existing plant. Simple and rugged, the sixteen-valve four draws straight from the source of high power and flexible performance: *valve efficiency.*

The White Company, Cleveland



WILSON EYRE & McILVAINE

GEORGE SYKES
COMPANY - INC.

40 WEST THIRTY-SECOND ST. NEW YORK

SPECIALISTS IN THE BUILDING
OF COUNTRY HOUSES

ARCHITECTS



COUNTRY HOME in the Berkshire Hill country, near Chatham, N. Y. We executed the entire building, including interior work and cabinet trim.

The character of this home illustrates what we mean by the title, "Specialists in the building of country houses."

There are few houses as well made.

It is difficult to explain in words why ordinarily good cabinet work, masonry, and carpentry, which conform strictly to specifications, are not comparable to the artistic craftsmanship of our master workmen. Yet it is the absence of this quality which can rob even the costliest house of any real distinction.

Why do we send a Portfolio of similar country homes built by us?



The Memories of an old Musician

COLUMBIA RECORDS

© Columbia Graphophone Co.

THE memories that music brings—all the poignant beauty, majestic grandeur and soul-thrilling splendor of the immortal music that, once heard, haunts memory's chambers forever, is echoed in the *tone* of Columbia Records.

The voice of Barrientos, Lazaro, Sembach, Nielsen or other world-famed artists; the playing of Ysaye, Casals, Hofmann, Parlow; the triumphs of the Chicago Symphony Orchestra—all glow with life on Columbia Records.

You will be thrilled again by the glorious symphonies, immortal arias and supreme conceptions of the world's eternal Masters of Music if your home is enriched by the precious possession of the records that wake memories to life. "Hearing is *believing*."

New Columbia Records on sale
the 20th of every month



Columbia Grafonolas \$15 to \$350
Prices in Canada plus duty

FAIR LIST PRICES FAIR TREATMENT



GOODRICH SILVERTOWN CORD TIRES

Strong and True to the Heart



LOOK into the *heart* of a tire, as you would look into the heart of a man, to know the truth about it.

Before you, its thick, tough hide of Goodrich Black Tread rubber stripped back, the *heart* of a Goodrich Silvertown Cord tire is laid bare.

Mark the giant size of its CABLE-CORD, and its *cross-wrapped, two-ply* structure.

The Inside on Tires

If you could thus look into the heart of ALL tires, you would find them of three types:

COTTON FABRIC, swathed in five to seven plies;
THREAD CORD, or WEB, (strings the size of a trout line, held parallel the circumference of the tire by interspaced cross-threads) gummed together in five to seven plies—*meaning internal heat*.
CABLE-CORD, the unique, patent-protected, *two-ply* structure found ONLY in Silvertown, the original cord tire—*meaning the conquest of internal heat*.

Where You See This Sign
Goodrich Tires are Stocked



Ask Your Dealer for Them

Out of this *two-ply, cable-cord* construction, *saturated with rubber*, come Silvertown's unrivaled resilience and durability.

Though Silvertown cords cost more than fabric tires, you can not afford to be without their economy and comfort.

Know them by their RED DOUBLE DIAMOND trade mark and their generous *extra-size*.

THE B. F. GOODRICH COMPANY, Akron, O.

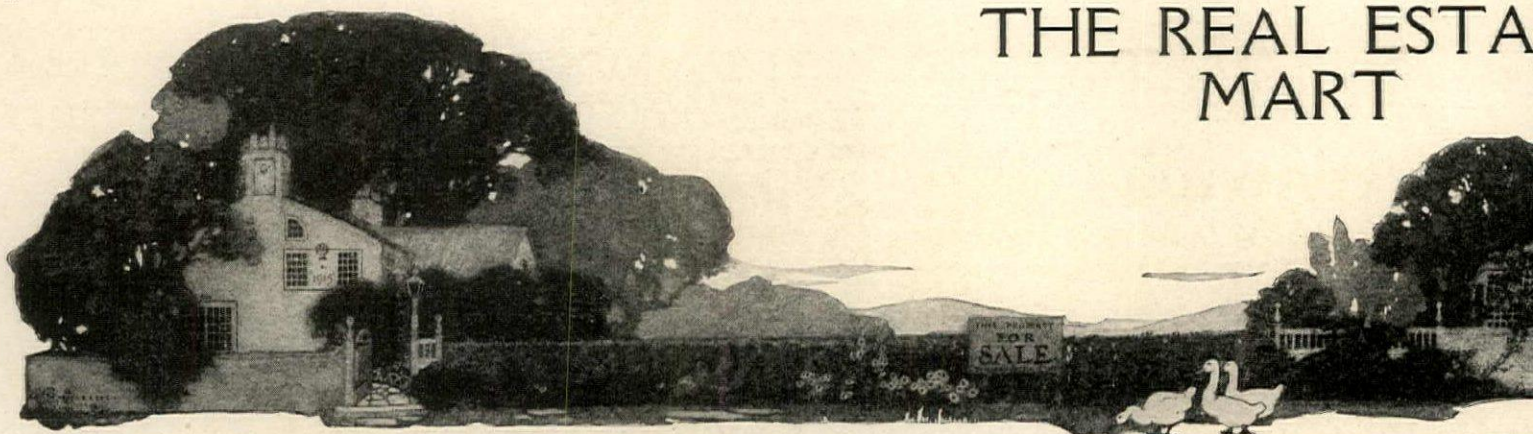
Also maker of the famous fabric Tires—Goodrich Black Safety Treads

"Silvertowns Make All Cars High Grade"

10 Silvertown Cord X-cels

Increased engine power.
Smoother riding.
Fuel saving.
Speedier.
Coast farther.
Start quicker.
Easier to guide.
Give greater mileage.
More resistive against puncture.
Repaired *easily* and *permanently*.

THE REAL ESTATE MART



FOR SALE

SUPERB country property situated in the heart of the White Mountains at Littleton, New Hampshire.

The estate comprises a beautiful residence located on a plot 150' by 275' with all neces-

sary outbuildings and can be purchased with or without interior furnishings at a reasonable figure.

For further particulars communicate with owner.

H. P. WOODMAN

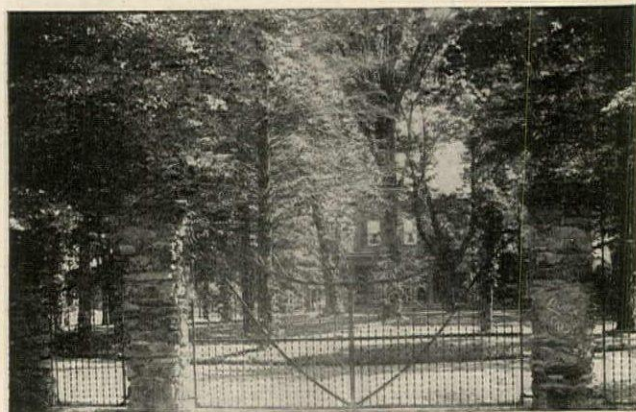
LITTLETON, N. H.

Despite The Unusual Demand

for country property this year, there are still many desirable places to be had. The advertisements appearing here will show.

It is a fact, that at the present time there are more real bargains being offered than ever before. The Real Estate Mart, presenting as it does, a diversified list of property, be it either the attractive lake shore bungalow or the magnificent country estate, offers a wide range to select from.

Should you require any assistance in your endeavors, please consider the operation of this department at your service.

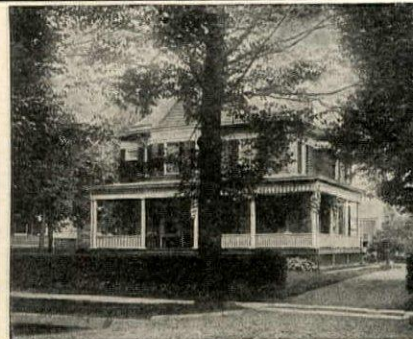


SMALL ESTATE AT BRONXVILLE, N. Y.

16 Miles from Grand Central Station

HOUSE, TEN ROOMS, set in grove of century old trees and well kept lawns, overlooks gardens; stable, garage, chicken house, fruit. High grounds, surrounded by beautiful estates. The first time offered at bargain price.

Griffen, Prince & Ripley, Inc.
18 East 41st St., New York City



All Year Residence, Plainfield, N. J. For Sale

Thoroughly modern house of ten rooms, two bathrooms and unfinished attic. Large size barn with accommodations for stable manure, stalls for horses and cows. New hot water heating system just installed. Interior telephone with connections in bedroom, kitchen, carriage and man's sleeping room in barn. Fine shade shrubbery; nine varieties of fruit. Bluestone level with crown of road.

Details, price, terms, etc., from

William H. Foster, c/o Wm. Sloane & Co., New York

YORK HARBOR, MAINE

175 acres of beautifully situated land, with very extensive views and a large frontage on the York River. One mile to ocean and beach bathing. Comfortable old-fashioned 11-room farm house slightly modernized. Horse barn, cow barn, hen houses, boat house, etc. Fine fruit and vegetable gardens.

Ideal Estate to improve for summer or all-year home

PRICE \$35,000

For further particulars address the owners

J. Sumner Draper

16 STATE STREET

Mark Temple Dowling

BOSTON

AT SHIPPAN POINT

Waterfront residence, on plot of almost two acres, beach, pier to deep water. Grounds attractively landscaped. House of hollow tile and stucco offers many unique features including miniature theatre or recreation room. Insure comfort and has every desirable modern appliance. Hollow tile garage accommodates two cars, has two rooms and bath. Will lease furnished for summer with option to purchase. Price, \$45,000. Full particulars on request.

FRED'K FOX & CO.

14 West 40th St., N. Y. Phone, Vander



VIEW OF LAKE FROM PORCH.

Estate Near Buzzards Bay Station Seashore and Country Place Combined

This all year around home is now offered for sale. The property consists of seven acres of well laid out grounds with a thousand feet frontage on the lake. Residence contains ten master's bedrooms, three maid's rooms, one bathroom, two living rooms, dining room, kitchen and laundry. Open fireplaces, and vegetable garden. The outbuildings consist of an ice house, hen houses and stable. The property is situated about one-half mile from the bay. One hour and fifteen minutes from Boston—express train service. For terms and further particulars address:

H. NELSON EMMONS & COMPANY

Office: John Hancock Building, Boston, Mass.

**Buzzards Bay and Cape Cod Real Estate
For Sale and Rent.**



THE RESIDENCE

THE REAL ESTATE MART

At Greenwich

On this high knoll, the spring tenant will dwell in a pink sea of massed rhododendrons, until summer opens in the perennial gardens below. All the year, the bottom lands of these and neighboring acres afford a wide companionable perspective of woodland, brook and meadow.

20 acres, 14 rooms, 5 master's bedrooms, 2 baths—2 servants' bedrooms, 1 bath. Accommodations for 2 horses and 3 cars. Room for chauffeur. Flower and vegetable gardens, 840-foot artesian well, through rock. Services of gardener included in rental. For rent furnished or will sell. (No. 102.)

LADD & NICHOLS

Inc.

Real Estate

Telephone: 1717

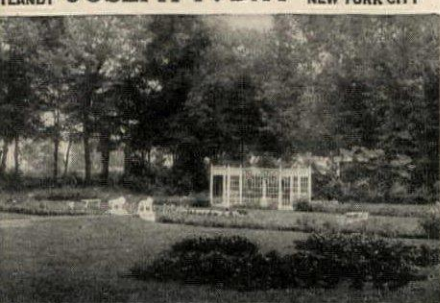
GREENWICH, CT.



"BROOKVILLE"

Beautiful estate containing about five acres in PLAIN-
LD, N. J., is offered for sale. The house is 2½-story
colonial type, 11 rooms, 3 baths, hardwood trim, parquet
hardwood flooring, and heated with hot water system
recently installed; electricity.
Lands laid out in two beautiful gardens, one of Italian
style and the other a Japanese garden, the latter one of
the best of its kind in the country, also small stable on
property. For other particulars, address

NE 744 JOSEPH P. DAY 31 NASSAU ST.,
PLANDT NEW YORK CITY



at Chevy Chase, Maryland

One of the only two remaining show-lots in the
best section of Washington's select suburb. Entire
lotage of 250 feet, between two streets, depths
125 feet on one and 125 feet on the other. Total
area over 30,000 square feet. Surrounded on all
sides by attractive homes of the capital's most
exclusive social set. Opposite south entrance to
world-famed Chevy Chase Club. Divided di-
agonally by a picturesque lane of cedars, giving
ideal background for two country mansions. Market
price approximately \$15,000 but only \$5000 cash
required. Balance may remain on mortgage at 5%
annum. Subject to 5% agent's commission to
be paid by vendor. Address:

AN PAUL MULLER, Woodward Bldg.,
Washington, D. C.

To Rent For Summer

Beautiful house, furnished, in
the Ramapo hills, six bedrooms,
three baths, all modern conven-
iences, garage, garden, fruit,
cow, chickens, five acres. Pho-
tographs and particulars on ap-
plication.

Address C c/o House & Garden.

BEAUTIFUL COUNTRY ESTATE

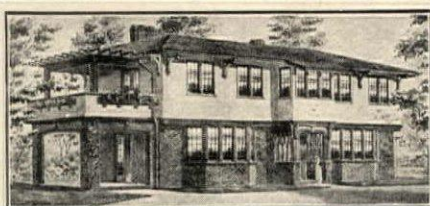
OF 22 ACRES

NEAR BRIDGEPORT, CONN.
for SALE at SACRIFICE

SUNNY TOP FARM at Fairfield offers
exceptional opportunity to gentleman who
is fond of outdoor life. Every home com-
fort is incorporated.

Farm comprises 22 acres of the most beautiful
country with gorgeous view of Long Island Sound.
The buildings are all modern in every detail and in
fine physical condition. An unfailing spring run-
ning into 12,500 gallon reservoir equipped with au-
tomatic electric pump provides ample water. Main
House has 12 rooms—3 baths, 5 fireplaces and
sleeping porch. Second house has 7 rooms, 2 baths,
dining porch and sleeping porch. One room house
with dressing room and sleeping porch—Garage and
laundry with 3 bed rooms, 2 barns, Ice House,
Chicken house, Tool shed, electric lights in all
buildings. Septic tank for sewerage disposal. Blau
Gas in both houses—Gas and coal stoves, etc., etc.
Send for descriptive circular of this and other
properties in this vicinity.

BRIDGEPORT, LAND & TITLE CO.
875 Main Street :: Bridgeport, Conn.



IN GREENWICH, CONN., 1.4 acres, elevated,
with Sound view. House of 10 rooms, sleeping
porch, 4 baths, city water, electricity, hot water
heating with concealed radiation; 1st story tapestry
brick, 2d story stucco. W. S. Steinmetz architect.
For details address

GEORGE E. BEARN
325 Greenwich Avenue Greenwich, Conn.

Bungalow for Sale



On the Connecticut Shore

6 rooms, living room and dining room in
one, three family bedrooms, one maid's room
with toilet. Kitchen and one bath. Fire
place, clothes closets, attic.

Property is directly on water, with good bath-
ing, fishing and sailing. Fine roads. Prop-
erty is well wooded, irregular plot, with 190
feet on shore front. 1½ miles from South
Norwalk, ½ mile from trolley and 1 hour and
5 minutes from Grand Central Terminal.
Will sell furniture if desired. Bargain.

C. H. BUSH, 13 Park Row, New York
Phone Franklin 4900

SUMMER ESTATES

FOR SALE and TO LET
ON THE

NORTH and SOUTH SHORES
OF MASSACHUSETTS BAY

Nahant	Beverly	Cohasset
Lynn	Manchester	No. Scituate Beach
Swampscott	Magnolia	Egypt
Phillips Beach	Hull	Scituate
Beach Bluff	Nantasket	Duxbury
Clifton	Hingham	Marshfield
Marblehead Neck		Plymouth

Photos, Descriptions and Locations can be seen and appoint-
ments made to inspect at our Boston offices. Purchasers or
those looking for a Summer Home will find it to their advan-
tage to immediately call on or communicate with

THE DILL CO.
401-405 Tremont Building, Boston

Located in one of the finest sections of GREENWICH

About one-and-a-half miles from station.
Two acres of land laid out in garden, lawn,
flower beds. House is of colonial type, con-
taining five master's bedrooms, three mas-
ter's bathrooms, three maids' rooms and
bath; modern garage for two cars, with
rooms for chauffeur. For sale at a very
reasonable price.

LAURENCE TIMMONS

Opp. R. R. Station Tel. 456 Greenwich, Conn.
"I KNOW GREENWICH"



THE REAL ESTATE MART

A REAL HOME and HOW TO GET IT!

Most every one now-a-days, would like to have a charming spot in the country, that they could call *A-Real-Home*.

It is impossible to call any spot in our Cities today, *A-Real-Home*, for the noise, dirt, dust, automobiles, gasoline, smoke, and ever encroaching business, makes it not only unpleasant, but unhealthy.

Hotels and apartments are nice for short stays, but like traveling, one gets mighty tired of it and longs for the needed rest from the social whirl, or the cares of business—then *that ideal spot in the country is the dearest and best of all*.

If you haven't *A-Real-Home*, let me help you get one, where you can enjoy boating and bathing, along the Ocean fronts, New York State or New Jersey, or either shore of Long Island Sound, including the wonderfully popular North Shore, and the shores of either side of the beautiful and historic Hudson River, as well as the world famous Northern New Jersey Hills, which afford natural beauties not found elsewhere, with their natural lakes, virgin forests, etc.

My specialty is, fine Estates, Farms and Suburban Homes, within 100 miles, *any size, and any direction out of New York City*. Write me for particulars of what you want, giving me some idea of your requirements, and about how much you would like to invest in your country home. Shall be glad to furnish particulars upon receipt of inquiry, and you will be under no obligations whether you purchase or not.

FITCH H. MEDBURY, 437 Fifth Avenue, New York City

Water Front Property, Norfolk PINECROFT



Five acres, 13-room house, 4 baths, butler's pantry, liard room, sleeping porch, garage and other outbuildings. Situated about 6 miles north of Norfolk in growing dental section. Water frontage and boat pier. Pine cedar groves. Landscape planting by Wm. H. Moore, Philadelphia. Will sell property only or fully furnished. Details, price, etc., from

WM. H. FOSTER, c/o WM. SLOANE & CO., Norfolk



Suburban Estate of 21 Acres

38 minutes to N. Y. City; excellent train service.

Has been held at \$80,000. Philadelphia owners are ready to sacrifice for \$25,000. It is bounded by streets on three sides, having a total frontage of over 2,700 feet, most of which is on macadam roads. The land is worth from \$1,000 to \$1,500 per acre. 3 acres in orchards; 6 in woodland; 3 in lawns; 9 in cultivation.

The main house shown above, stands 150 ft. back from the street, surrounded by extensive, shaded lawns; it contains 13 rooms, bath, hot water heat. Stable with man's quarters; 5-room tenant house; ice-house; poultry houses. Convenient to golf and everything else worth while.

FARM & ESTATE CLEARING HOUSE
141 Broadway, New York City

7 Room Stucco House WITH GARAGE

On Connecticut Shore
AT ATTRACTIVE PRICE

Fine seven-room house at
BEAUTIFUL LORDSHIP MANOR

(near Bridgeport) on the sound; built in the Fall of 1915, will be sold at sacrifice to quick buyer. Owner leaving the city.

House has seven large rooms and bath, sleeping porch, large veranda, built-in bookcases and window seats, hardwood floors, combination gas and electric fixtures, large fireplace, hot water heating system, etc.

All bedrooms are finished in white enamel and mahogany. Windows and porches screened. An ideal home—in an ideal year-round suburban colony—ON THE SHORE.

Write for price and full particulars. Also have NEW 5-ROOM COTTAGE at LORDSHIP at bargain price.

W. J. HISTON
1188 Main St. Bridgeport, Conn.



FOR SALE

A Quaint Old Farm House

Artistically Remodelled and Situated in
Delightful Surroundings

with about two acres of ground. House contains large room, six bedrooms and bath, kitchen and dining room, electric light, furnace, and is supplied with running water. Is an attractive garden with good fruit and beautiful of trees. This is a place that will be appreciated by anyone who has a real country home that is well located and not away from railway station.

JEREMIAH ROBBINS Babylon



FOR SALE

Thoroughly modern, well built and exceptionally attractive Dutch Colonial Country Home, situated on corner lot. High ground with magnificent view and 10 minutes' walk from station. Price, \$18,000.

MRS. E. A. NICHOLS
80 Fairmount Road Upper Ridgewood, N. J.

QUAINT OLD FARM HOUSE



Situated on high ground with charming view of lakes and mountains. Fine shade trees. 2 acres \$2900 (more land if desired). Splendid possibility for a summer home. Also 33 acres, with extensive frontage on Connecticut river. Usual farm buildings. Ideal for lover of river and boating. Adjoins large estates. One of the few desirable frontages to be had at any price. \$5600.

E. H. WILKINS - 308 Main St., Middletown, Conn.

BAY SHORE

"THE IDEAL RESORT"

On the shores of the Great South Bay. A cool. Fishing, bathing, boating, golfing, excellent bridle paths and motor roads.

Furnished Homes and Estates

TERRY and BREWSTER

Phone 302 BAY SHORE, LONG ISLAND

72 Acres, House Barns, etc., on of the best road town.

For sale at \$700 per acre. Or places for sale or rent.

ROBT. WELLSTOOD & SONS
Real Estate and Insurance
GREENWICH, CONN.

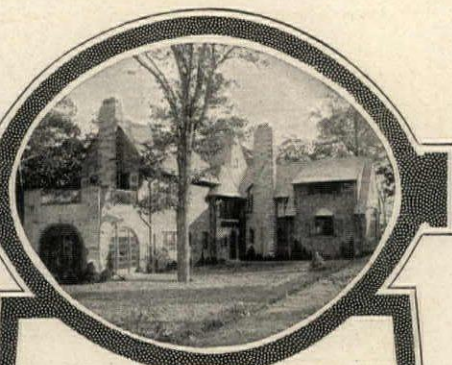


At Patchogue, LONG ISLAND FOR SALE

This beautiful house in a restricted neighborhood, has 14 fine large rooms. First floor—parlor, dining-room, living-room, den and kitchen. Second floor—4 large bedrooms, bathroom, front and back hall. Third floor—4 large bedrooms, 3 unfinished. All high 10' 6" ceilings. Walk to water, city gas, stationary wash tubs, chandeliers, open staircase, inlaid floors, basement size of house, six fireplaces, fine lawn and large trees, grape arbor. Three blocks from depot, express train service to New York City. Five minutes' walk to Bay, 10 minutes to Patchogue Village. Would consider an exchange.

For terms and full particulars address
OWNER, Box 207, care of House & Garden

THE REAL ESTATE MART



Every Desideratum OF THE HOMESEAKER

OFFICIAL restriction to a high class residential section by the City of New York adds to and preserves the other attractive features of

Fieldston

Riverdale-on-Hudson 242d St. and B'way
Its healthy environment—picturesque setting—city conveniences—good schools and unequalled accessibility by Elevated—Subway—Railroad and direct Motor runs—offer the Homeseeker everything to be desired.
Booklet "H" with particulars and views sent on request.

DELAFIELD ESTATE
Tel. 277 John 27 Cedar St. E

FOR SALE

An admirably situated tract of 15½ acres, one-half woodland on high elevation. Only three-quarters of a mile from Scarsdale Station and nineteen miles from New York City, express train service. For terms and further particulars address:

Box 207, care of House & Garden
440 Fourth Avenue, New York City



PINEHURST" Great Barrington, Mass.

For Sale or to Rent Furnished—Delightful Town Property. 4 acres of lawns, gardens and orchard. Tennis court, stable, garage, children's playhouse, etc. Residence with all modern improvements—6 Master's rooms and baths—4 servants' rooms and bath. Full particulars Wheeler & Taylor, Great Barrington, Mass.

For Sale at East Quogue, Long Island

Overlooking Shinnecock Bay and the Atlantic Ocean, a nice old house with eight bedrooms and modern plumbing. Furnished. Large kitchen and maid's dining room. Laundry and wood use. Four servants' rooms and bath and large store room, separate building. Small barn with room for one automobile. Surrounded by shade trees and a few fruit trees with a good tennis court and fine vegetable garden, with asparagus beds planted, a good golf club within easy reach. Near the beach and with a water front opening on the bay. It is a comfortable and attractive summer place. About 15 acres in all. Will dispose of the home lot—about 2 acres—separately, if desired.
W. HOTCHKISS, 59 West 48th Street, New York City

Graham E. C. Root, Realty Agent

enox "BERKSHIRE HILLS" Mass.

Send List of Homes for Sale
and Houses for Rent

o
(L. & G.)

Connecting Buyer and Seller

That's the chief function of our Service Bureau. Its principal auxiliary is the "Central Column" (See page 13).

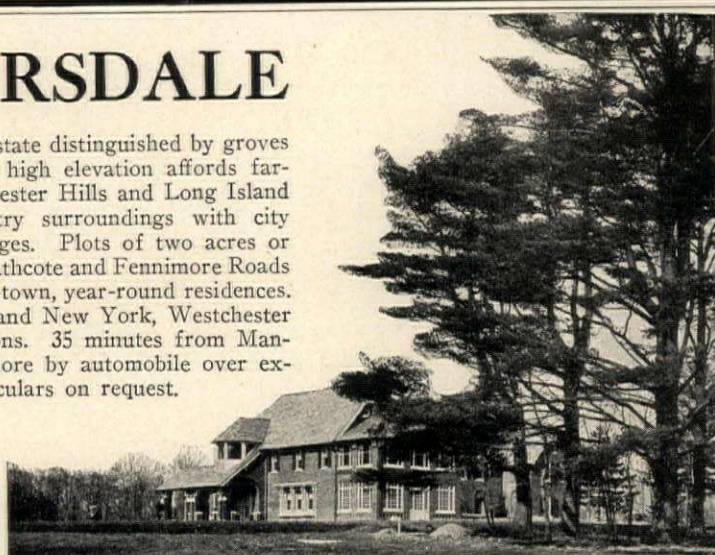
At SCARSDALE

Part of a noted colonial estate distinguished by groves of handsome trees. The high elevation affords far-reaching views of Westchester Hills and Long Island Sound. Delightful country surroundings with city conveniences and advantages. Plots of two acres or more now available on Heathcote and Fennimore Roads offer ideal sites for out-of-town, year-round residences. Near New York Central and New York, Westchester and Boston railway stations. 35 minutes from Manhattan by train, hardly more by automobile over excellent roads. Full particulars on request.

FRED'K FOX & CO.

14 West 40th Street
NEW YORK

Phone Vanderbilt 540



Colonial House at Great Neck, L. I. Where woods and waters meet

This truly delightful country home, surrounded by an acre or more of land, is but 25 minutes' ride from Herald Square on electric express.

House contains four master's bedrooms, 3 bathrooms, living room, dining room, kitchen, a balcony sleeping porch, cold storage room, butler's pantry, garage, etc., and has an extra amount of closet room. Ample servants' quarters also provided.

The construction of this house is strictly modern throughout, having just been completed, with steam heat, electric lights, vacuum cleaner connections, call bells, etc.

For further details send for attractive catalogue to

Baker Crowell, Inc., 47 W. 34th St., New York City
Telephone Greeley 38

GREENWICH Spring Rentals

Select Country Homes, Estates,
Farms, Acreage, Water Fronts.
For Particulars Address,

PHILIP L. JONES
Smith Building, Tel. 424 Greenwich, Conn.

"Country and Suburban Houses"



A most complete and handsomely illustrated book designed to solve your building proposition. 9x12 inches. 38 complete designs with 138 illustrations. Colonial, Artistic, Stucco, Half Timber, and other styles of Architecture. Practical information. Estimates of cost. Floor plans with all dimensions. Special sketches.

Designs costing \$4,000 to \$25,000. Price, \$1.50 Prepaid
W. D. DEWSNAP, Architect, 203 Broadway, New York City

OVERLOOKING LAKE ERIE 18 MILES FROM BUFFALO

One hundred and seven acres of well drained productive soil. Includes 30 acres of grapes and 25 acres of beautiful grove.

Farm is ideal for country home. Buildings in good condition. Exceptionally desirable neighborhood. Community Club in vicinity. Natural gas and electricity. Brick Highway.

This farm is a money maker and bargain at price offered.

HARRISON
REAL ESTATE CORPORATION, BUFFALO, N. Y.

Adjoining Rockefeller Estate

In the Pocantico Hills, just out of Tarrytown, overlooking Sleepy Hollow. Will sell 21 acres, or less, to desirable party. Bargain if sold at once.

J. R. G. IVEY, Owner

66 Broadway, New York

On the North Shore of Long Island

30 Minutes from New York by Rail

Beautiful new stucco residence (see cut) on elevation. Garage. Acreage. Private beach privileges. (NOT IN A DEVELOPMENT.) Exclusive section. Water view. Fine trees.

Same locality, overlooking Sound. New residence. 4 master's bedrooms and 3 baths. Garage. Beautiful trees. Acreage. Asking price \$35,000.

Large and Small Estates of Highest Class. Water Fronts, Acreage, Hill Tops, Select Long Island Properties.

Phone Cortland 2302 F. W. P. BRUNIG, Inc.
30 Church St., New York



Roster of Reliable Real Estate Brokers

The standing of the concerns whose names appear in this column have been thoroughly investigated by the Real Estate Department of this magazine and are cordially recommended to our readers as being strictly first-class—As specialists in their respective localities and environs, they are especially qualified to cater to your requirements—Communications addressed to them will bring prompt and authoritative replies.

NORTH SHORE OF LONG ISLAND, Long Island City—Manhattan, Burton Thompson & Company, Inc., 10 Wall Street, N. Y. C.

NEW ROCHELLE PROPERTY, C. B. Allen, Huguenot St. Phone 746.

VIRGINIA FARMS, John Hill Carter, Leesburg, Loudoun County, Virginia.

J. STERLING DRAKE, 29 Broadway, New York City. New York, New Jersey and Connecticut.

NEW JERSEY FARMS FOR SALE, A. Updike & Son, Trenton, N. J.

GEORGE L. DELATOUR, 38 Park Row, N. Y. Acreage Farms and House for Sale in New Jersey.

ROBERT E. FARLEY ORGANIZATION. Biggest real estate office in the world. Properties in Westchester County, Long Island and everywhere adjacent to New York City. Country Life Exposition, Grand Central Terminal, New York City.

BURKE STONE, INC., Offices, Bronxville and Tuckahoe, N. Y.

TERRY & BREWSTER, Bay Shore, Long Island.

GEORGE E. BEARN, Greenwich, Conn.

E. T. DAYTON, Main Street, E. Hampton, L. I.

ANGELL & CO., Scarsdale, N. Y.

NORTH SHORE, J. Hart Welch, Douglaston, L. I.

GEORGE HOWE, 527 Fifth Avenue, New York City.

VIRGINIA COUNTRY PLACES, close to the Capital. M. L. Horner, Alexandria, Va.

LADD & NICHOLS, INC., Real Estate. Tel. 1717. Greenwich, Conn.

BUZZARD'S BAY AND CAPE COD. H. Nelson Emmons & Co. Offices, Boston, Mass.

COUNTRY PROPERTY, Frank H. Knox, 51 State Street, Albany, N. Y.

JOHN HILL CARTER, Leesburg, Loudoun County, Virginia.

WILLIAM H. MILLS, Along the Sound, Among the Hills, 7 East 42nd Street, New York City.

EDW. G. GRIFFIN & P. H. COLLINS, National Bank Bldg., Larchmont, N. Y.

MISS LEWIS, Specialist in Suburban Homes, 500 Fifth Avenue, New York City.

SOUTH SHORE, L. I., Jeremiah Robbins, Babylon, L. I.

JOHN KNOX, Chamber of Commerce, 185 Church Street, New Haven, Conn.

FARMS & ESTATES, E. E. Slocum, Inc., 141 Broadway, N. Y. C.

CARL C. LOH, 9 Orchard Street, Tarrytown, N. Y.

NORTH SHORE, J. Hart Welch, Douglaston, L. I.

NORTH SHORE OF LONG ISLAND, Stephen Yates; Office, 243 W. 34th St., N. Y. C.

WILLIAM S. CHAPPELL, New I. Conn. Est. 1887.

DEVERELL & CO., Offices, Clarksburg and Newport News, Va.

BERKSHIRE ESTATES—Wheeler & Son, Great Barrington, Mass.

MATTHEWS & COMPANY, Cambridge, Maryland.

WALTER B. HOWE, INC., Princeton, N. J.

SHORE ESTATES, Gardner R. Hatt, Marblehead, Mass.

C. H. BRADLEY, Dover, N. H. and Summer Homes.

RE-MOV-ABLE STEEL FLAG POLES and Clothes Line Posts

No holes to dig. Strong steel sockets driven. All high-carbon galvanized steel. Slip easily into sockets. Removable in a moment. Don't disfigure lawns, no decay, last life time.

Tennis Net Posts; Back Stops; Fence Posts on same principle. Ask dealer or write us for booklet H.

CHEAPER THAN WOOD.

MILWAUKEE STEEL POST COMPANY
Milwaukee, Wis.

20 FT. TO 50 FT. ABOVE GROUND.



TREES and SHRUBS

PORTER'S HIGH QUALITY STOCKS

Illustrated Price List free. Write for copy to-day.

PORTER'S NURSERIES
Box 502
Evanston, Ill.

Express Your Individuality in Your Home!

BOWDOIN AND MANLEY
546 5th AVENUE NEW YORK

Furnishing and Decorating in conventional or original styles apartments, houses or single rooms. Materials and furnishings you select to carry out your decorative scheme. Write for information.

DINGEE ROSES
Sturdy as Oaks

are always grown on their own roots. 68 years' experience. Satisfaction and safe arrival guaranteed. Our instructive book, *Dingee "Guide to Rose Culture"*, describes over 1000 varieties of roses and other flowers and how to grow them. It's free. Send today.

THE DINGEE & CONARD CO.
Box 474, West Grove, Pa.

Russian Antique Shop
ONE EAST TWENTY-EIGHTH STREET

WORKS OF ART IN METALS

Unique and useful things of Brass, Copper, and Bronze wrought and beaten into artistic designs by the hands of Russian peasants.

EXHIBIT OPEN TO THE PUBLIC.

KILL the WEEDS

Keep your paths, drives, gutters, tennis courts, and other open spaces free from weeds and grass at low cost. Atlas goes down to the deep roots—kills positive. One application does the whole season. Be prepared. 2 qt. sample sent postpaid for \$1. Please state your seedsman's name.

Chipman Chemical Eng. Co., Inc.
95 Liberty Street New York

ATLAS WEED KILLER
Grass and Weed-Killing Chemical

HODGSON Portable HOUSES

NUMEROUS blueprints; bids from builders; extra expenses, and continuous little worries make the planning and erecting of even the smallest building a nerve-racking strain.

That's why you have put off giving the children a playhouse, or building yourself a garage, summer house or what-not. But—

Here's the Hodgson way, the up-to-date way. You get a Hodgson catalog. Look over the many photographs of portable buildings. Pick out the cottage, bungalow, chicken house, garage, tent house or playhouse which suits your taste and pocketbook. Then order.

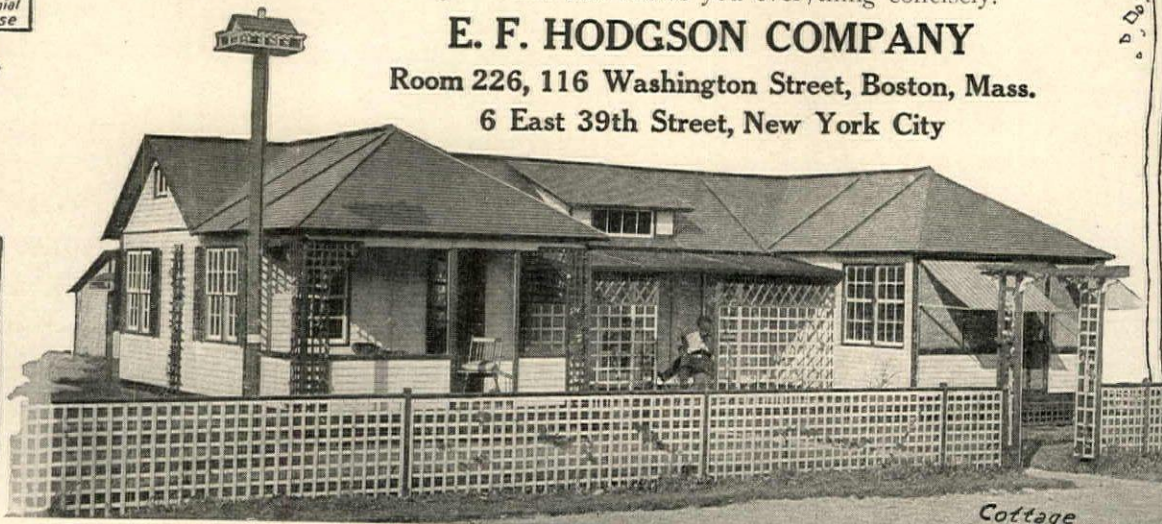
By paying 25% of the price of your house we prepare and hold it until wanted. This saves you money and insures prompt delivery. Then, when it is delivered, you receive the best lumber, all finished, painted and fitted—ready to put together in a jiffy to form the exact house you saw in the photograph.

Send today for our catalog. It tells and shows you everything concisely.

E. F. HODGSON COMPANY

Room 226, 116 Washington Street, Boston, Mass.

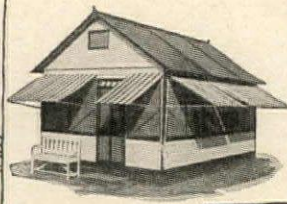
6 East 39th Street, New York City



Cottage



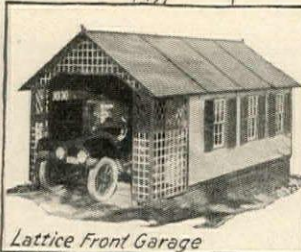
Play House



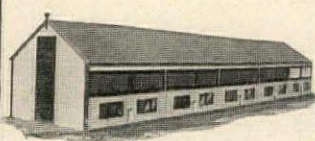
Screened House



Dutch Colonial Bird House



Lattice Front Garage



Poultry House

Are you putting your house in the mood of summer?

Once, spring merely meant getting down the screens from the attic, and ordering a dozen sets of slip covers.

Now, to discriminating people, it means infinitely more—it means putting one's entire house in the mood of summer.

House & Garden's SPRING FURNISHING Number M A Y

is crammed with information on just exactly how you can most successfully accomplish that end.

Perhaps you've just bought "The Four Winds" on the foreshore beyond the summer colony, and want to furnish it throughout in harmony with the wind-blown dunes and the great grey-green Atlantic.

Or perhaps you decided last autumn that jolly old "Week-End House" really must have a thorough going-over this spring.

Or perhaps you're just eager to change your same familiar rooms from the mood of open fires to the mood of summer morning breakfasts on the piazza.

No matter what your particular house or garden problem, you will find infinite help and suggestion in the Spring Furnishing Number of House & Garden. It, and the five numbers that follow it are yours for a single dollar bill.

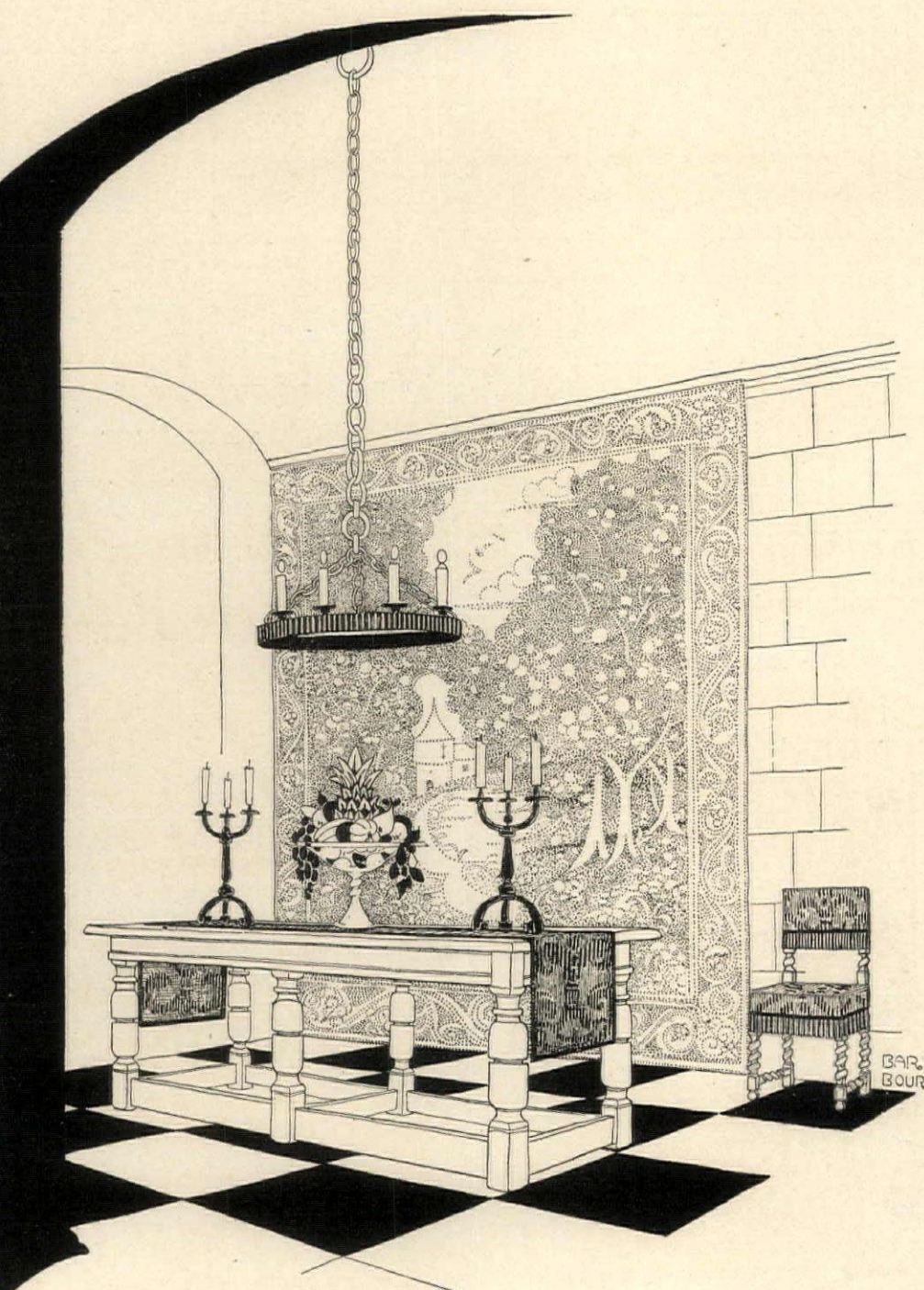
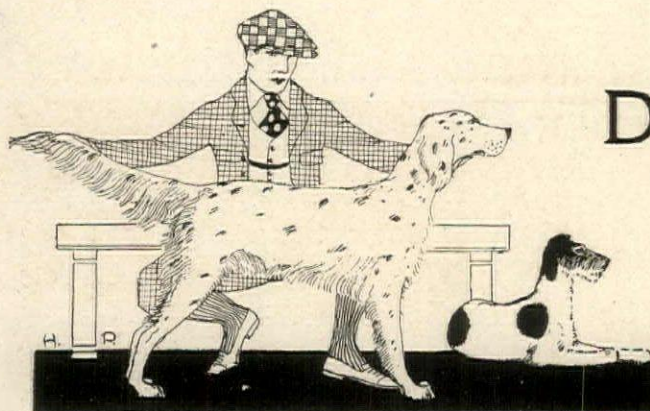


Illustration from May House & Garden

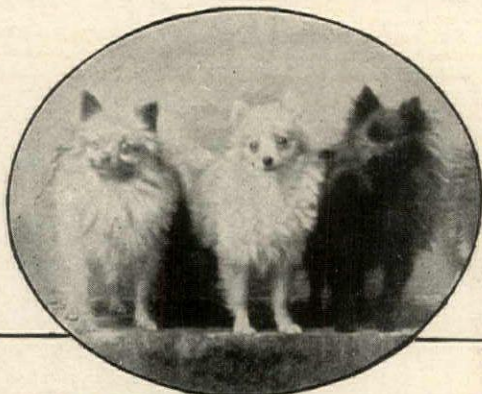
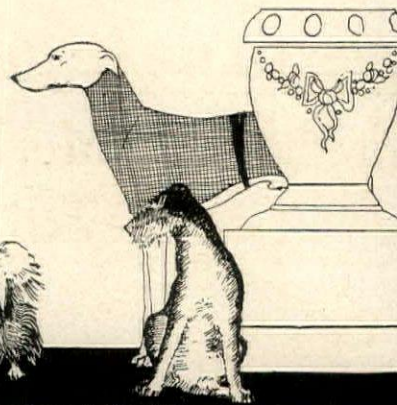
Between meals the dining room of the larger country houses assumes an air of dignity befitting its furnishings. Along the refectory table is spread a strip of brocade of a color that tones in with the upholstery and hangings. It is bound with galloon that has been antiqued. Wrought iron candelabra stand at either end, silhouetting against a mellow tapestry or paneled wall.

Reserve Your Copy at the Newsstand Now
CENTS A COPY

\$3 A YEAR



THE DOG SHOW



POMERANIANS At Stud

Pioneer Wee Blackie—England's best black stud dog—3½ lbs.
Sunbright Blackie—4 lbs.—Black Dog.
Champion Perfect Harmony—Orange Sable.
Honey Sunbright—Pure Orange.
King Sunbright—Warm Wolf Sable.
General Mite—Miniature Wolf Sable.
High Class Grown Stock and Puppies for Sale.
The O. E. LAKE LAND KENNELS, 42 Beauvoir Ave., Summit, N.J.
Phone Summit 537

POLICE DOGS

Puppies a Specialty



Ask
for
Illustrated
Booklet

PALISADE
KENNELS
East Killingly,
Conn.

Airedale Terriers

Most useful dog alive. (1) Best watch dog, alert, brave, sensible. (2) Peerless stock dog, kills bob cat, coyote, mongrels. (3) Great orchard dog.



(4) Wonderful hunting dog, used by Roosevelt and Rainey. (5) A poultry insurance policy, sworn enemy of skunk, weasel, coon, rats. (6) The child's companion, playful, no mean ways, free from rabies, fine guardian. (7) A money maker, good bitch earns upwards of \$200 a year, puppies sell readily, raise themselves, hardy. We have the best thoroughbred stock. Satisfaction guaranteed. Send for booklet. AT STUD, International Champion Kootenai Chinook, fee \$25.

Puppies, grown stock, bred bitch for sale
Vibert Kennel, Box 14a, Weston, N. J.

New York Dog Exchange, Inc.



Giant St. Bernard, Great Danes or Newfoundland Pups, German Shepherds and Doberman Pinschers, English, French and Boston Bulls, Dachshunds, Airedales, Chow-Chows, Toy Spaniels, Pomeranians, Scotch Collies, Pekingese, Italian Greyhounds, Persian and Angora Kittens.

Always the Best — At Lowest Prices
221 Third Avenue New York

AIREDALE TERRIERS

Disposal Sale of Airedale terriers, puppies, grown dogs, brood bitches and show stock. The Quality kind from Registered and Winning stock. Every dog registered and guaranteed. Prices, \$20.00 and up.

WOLLATON AIREDALE KENNELS

Richard A. Kearns, Jr., Owner

Box 572, COATESVILLE, PA.

Quality Working Collies

From free range, hardy, Northern dogs, combining breeding and beauty with utility. Only young stock for sale. State use for which dog is intended.

Bower
&
Hayford
Props.

Harleston Collie Kennels
Hallowell, Maine



America's
Pioneer
Dog Remedies

BOOK ON

DOG DISEASES

And How to Feed

Mailed free to any address by the Author
H. CLAY GLOVER CO., Inc.
118 West 31st Street NEW YORK



Just the dog you want. All breeds, all ages and at prices to suit everyone's purse.

COLONIAL DOG MART

—New York's Largest Dog Shop—

43 WEST 46th STREET

Just West of Thorley's.

Telephone Bryant 5135.

The quality of our stock, our courtesy to visitors and the sanitary condition of our shop has earned us an enviable reputation.

HEMLOCK HILL KENNEL

CLYDE STREET

BROOKLINE, MA

SEALYHAM TERRIERS



THE BLUE GRASS FARM KENNEL OF BERRY, KY.

offer for sale, Setters and Pointers and Cat Hounds, Wolf and Deer Hounds, Coon and Opossum Hounds, Varmint Hounds, Bear and Lion Hounds, also Airedale Terriers. All dogs on trial, purchaser to judge quality, satisfaction guaranteed or money refunded. Sixty-page, highly illustrative, interesting and interesting catalogue for ten stamps or coin.

AIREDALES—"Can do anything another dog can do, then whip the other dog." offer stock of the highest quality and breeding in: Pups and female—spayed females. Grown Dogs—some housebroken, trained hunters—watch dogs. Matrons—either open or Stud Dogs—of unquestionable merit.

COLLIES—Ours are from the famous FOXALL. Pups—male and female—spayed females. S. & W.—also WHITE. Grown Dogs—for watchdogs—companions. Matrons—open or bred.

OURS IS A UNUSUAL WAY OF SELLING—Sales Show
P. L. SAVAGE, ST. CHARLES, ILL.

AIREDALES

Large, heavy boned, rich coated pups country raised. Ideal pets for your boy or girl—just the dog for Town and Country. Pups that will average 50 lb. maturity. Certified guaranteed pedigree. Price and upward. Satisfied customers in every State. National Bank references. Write for illustrated booklet.

JOHN F. LAWLOR, ORANGE MOUNTAIN, West Orange, N.J.



Milnshaw Kennel

Toy Pomeranians, Pekingese, Boston Terriers, Griffons, Toy white French Poodles, Bull dogs, Boston Terriers, and other breeds. I sell my dogs on merit, and guarantee them absolutely as represented. Veterinary examination allowed.

Call, Write or Phone to

JULES FEROND

424 Sixth Ave., New York

Tel. Farragut 330

CATS

MRS. JACK GORDON offers for sale a beautiful young son of her famous blooded **Champion Neila Billi III ex Hebe**, daughter of Ch. Sir Ko Ko. Her pedigree is everything that could be desired, including seven English and American bred champions in four generations.

He is a replica of his sire, having gorgeous copper eyes, grand type and bone, pale blue color and lovely coat of exceptional quality.

For further particulars address

571 Natoma Street, San Francisco

Tel. Market 8520

THE DOG SHOW

Airedales of Merit

Mentally and Physically Superior

Why not a puppy for a gift? A constant companion and a loyal guard. Nothing could be more appropriate. We have nothing but the best pedigreed stock. Right, brainy and trustworthy. Puppies 10 and up. Grown dogs and matrons. Will ship anywhere. May we send you one on approval?

North Penn Kennels, Hatboro, Pa.

Airedale Terriers



I AM OFFERING STOCK

From the greatest living sires Champion Soudan Swiveller, Gold Heels and King Oorang. The Airedale is the best dog ever bred for the house, country or farm. Brains, beauty with physical development our specialty. Puppies and grown stock, also registered brood matrons for sale. Safe delivery guaranteed. At stud

My latest imported Airedale

Brayvent Moray Royalist

the ribbon winner in both England and America. Stud fee, \$5.00. Prices reasonable. Shipped on approval to responsible owners.

THOMAS KERRH BRAY

Clark Street Phone 424M Westfield, N. J.

Miss Gertrude Lester

offers at very attractive prices a few choice imported specimens of the most fashionable Toy breeds

PEKINGESE—BRUSSELS GRIFFONS—POMERANIANS

These dogs have been carefully reared in the famous Advocate Kennels in London, owned by my sister. They are over distemper and have very sweet dispositions.

Can be seen by appointments. For further particulars, address

3 East 35th St., New York City

Hartridge Cottage" Cats

AT STUD

SLIP DANDELION, solid orange, splendid type, won't copper eyes, winner first and specials, Galesburg, 1917. C. A. 3192, Vol. 8.

Fee this season—\$10.00.

BLACK BRAYFORT, solid black, well pedigreed—\$8.00. "THE LITTLE MINISTER", silver Persian—\$7.00.

Persian Kittens in season.

Hartford Turnpike and Ridge Road, Route 58 NEW HAVEN, CONN.

BULL TERRIER PUPPIES



Engage Your Puppy Early

White Jacket and Clean Habits Bred for Brains and Type

QUIVERA KENNELS

C. C. Young and C. D. Cowgill LAWRENCE, KANSAS

Western Bred Airedales

you are looking for a good dog—big, hardy, me, and bred outdoors from highest class parents with the natural hunting and fighting instinct, try pup from our kennels situated at the foot of "The Grand Old Rockies" with bear, lion and bob cat within a half day's walk. Ideal conditions for raising and training Airedales.

ONE KENNELS, Frank Slayton, Prop., FORT COLLINS, COLORADO



Let us send you **POLK MILLER'S DOG BOOK—FREE**

America's greatest authority on dogs and how to treat them. Originator of the world-famous

Sergeant's Dog Remedies

POLK MILLER DRUG CO., Inc. Dept. 207 Richmond, Va.

WHITE SCOTCH COLLIES

The dogs for city, suburb, farm or ranch. At the mountain, prairie, seaside or woods, the White Collie is the great pet and companion. The partner of the boy in his hikes and the fearless protector of the girls on their rambles in the country. The comfort of the mother who wants a fearless guardian of the home and children. The best help on the farm, having been from time immemorial the great cattle and sheep dog. Also herd poultry, pigs, goats, etc. A great ornament to city or country grounds. A stunning companion for young ladies on walking, autoing or horseback trips, as the White Collie is the most beautiful aristocrat of dogdom.

\$300.00 A YEAR

A pair will raise three or four hundred dollars' worth of puppies a year, as they have two large litters each year (sometimes as many as twelve in a litter). Fine gifts for your friends from your country place. Stand the climate anywhere from the Gulf to Northern Canada. Ours are hardy country raised pedigree stock, having the true Collie "expression" and conformation. They are lithe, graceful, hardy (no artificial heat needed in coldest winters), brave, gentle with children, faithful, intelligent, beautiful, tireless, prolific. Probably only kennels in the world where unrelated pair of Whites can be furnished. "Buy a pup and your money will buy love unflinching that cannot die." Every child has a right to be brought up with a dog. We have two fine litters of spring pups that will make grand dogs before the winter shows. Address

THE ISLAND WHITE COLLIE KENNELS



The 1000+ Collie Rob-Isle referred to

DEPT. H G - - - OSHKOSH, WIS.

Dogs for Just the Purpose You Want Them

The Fifth Avenue dog.

The town car dog.

The dog for the country jaunt.

The dog for the Spring Drive.

The dog for the house protection.

The pal for the boy.

The companion and protector for the girl.

They are all advertised in these dog pages. Write to the advertiser and find out which is adaptable to your purpose.

Then, if in doubt, consult the Dog Man. He is here to give you just the advice you need when you can't make up your mind.

Address: The Dog Man, care of House & Garden, 440 Fourth Ave., New York City

AIREDALE TERRIER

Do you want a companion that knows how you feel better than you do yourself, acts accordingly, and always on the job? Here's one—a ten months' Airedale, litter brother to Straight Tip and Glad Girl, that both won at last Madison Square Dog Show—bred to win and can win in the show ring or anywhere. I've had his ancestors on one side back to his great-grandmother and they all won. This is a great dog—great all over. He is for sale and can trim any dog at anything.

WILFORD WOOD, 146 Court Street, Brooklyn, New York

The Sweetest of all Toy Dogs for Gifts

For your Wife, Daughter, Sweetheart or Son



We-We, a Pekingese, weight 3½ lbs., from imported stock. Heavy bone.

Trick White Silk Poodles, White Silk Maltese Terriers.

POMERANIANS, WHITE, CHOCOLATE, BLACK and SABLE.

PEKINGESE, very small.

BOSTONS, FRENCH BULLS, FOX TERRIERS.

PUPPIES and GROWN DOGS all bred from Imported Stock and Prize winners.

Duty free on all thoroughbred dogs going from Canada to the United States.

Buy here and get a healthy dog. All dogs house raised. Trick dogs always on hand.

MRS. H. E. SHORT ST. THOMAS

ONTARIO

MEDOR DOG SHOP

Mrs. Vogel of the famous Medor Kennels of London and Paris, has now opened the above dog shop, retaining the same prefix (Medor) as used abroad.

This insures the same high standard as has been attained by these international kennels where hundreds of prizes have been won.

All toy breeds kept on hand

PEKINGESE A SPECIALTY

A son of Ch. Chinky Chog at stud

Medor Dog Shop, 70 West 47th Street

Mrs. Vogel, Prop.

Fifteen years an international exhibitor.



Anchor Post Kennel Yard Enclosures

Pasture Fences—Stock Paddocks—Poultry Run Enclosures—Piggery Enclosures, etc.

We are specialists in designing and building modern fences and enclosures of all kinds, for live stock, poultry and game. Owners of farms and country estates will find our Catalogue interesting reading.

Write for special farm fence Catalogue No. 4.

ANCHOR POST IRON WORKS

11 Cortlandt St., (13th floor) New York

COLLIES

Puppies and Grown Dogs Usually for Sale Imported and American Bred

Over 150 first and special prizes taken last season including best of both sexes at Madison Square Garden, the largest show in the country. This year at three shows have won 103 first and special prizes. Nothing under \$25.

ALSTEAD COLLIE KENNELS

Rahway

New Jersey



THE DOG SHOW



Reuben Clarke

National and International
Judge and Exhibitor for
over 25 years

Largest Stock of GOOD DOGS

Every known breed that
can be had in America.

My Kennels are conveniently
located out of the HIGH
RENT SECTION:

Moderate Prices

It is generally known by the
dog-loving public that I give
the best values in any breed
—imported or domestic.

NEW YORK KENNELS

113 East 9th Street

(Near Wanamakers)

Telephone 5589 Stuyvesant

HILTERFAR KENNELS REGISTERED IRISH TERRIERS

Puppies and Grown Stock For Sale

Post Office Box No. 104, Morristown, N. J.

Telephone 873 Morristown

PEKINGESE FOR SALE

Beautiful red male, 10 months, broken to lead.
Sire "Suns Quen," Dam "To Foy, of Llenrud."
Price, \$150.00.

Also 1 Biscuit male puppy 2 months old.
Sire "Beauti Boi," Dam "Verity Fantail" (imported).
Price, \$75.00.

MRS. VAN FLEET RYERSON, Storm King Kennels and
Cattery, Newburgh-on-Hudson, R. D. No. 2

MRS. BYRON ROGER SEALYHAM AND CAIRN TERRIER

Puppies in both breeds for sale, from \$50.



Can be seen anytime but
sent on approval. When
ing for price lists send stamp
envelope.

AT STUD, Weston Walf
See, the sensational E
winner. FEE, \$25.

AT STUD, English Ch
Cairn Terrier, Northern
parell. FEE, \$25, with
of puppy, or \$30, without p

LLANDOYLEY KENNELS

PARK AVENUE,

PORT WASHINGTON,

Telephone 231-W.



PEKINGESE

Fifty grown dogs and puppies, all ages, colors,
large number imported. Many "sleeve" speci-
mens. All Champion bred and
selected from the first Kennels of
Europe and America. Some as low as
\$25. Write for descriptions and pictures

MRS. H. A. BAXTER
GREAT NECK, L.I. 489 FIFTH AVE.,
Tel. 418 Tel. 1236 Vanderbilt

Dogs for Every Purpose

A pal for the boy. A playmate for the girl. A town-car dog,
or a dog for a country jaunt. Which do you want? Let us
consult with you and advise without charge which dog is best
suited to your purpose.

Long experience—a host of satisfied customers—prices that are
right. Write us before you make your decision

HARGOUR KENNELS, Arlington, N. J.



SARSFIELD
HERO

Collies Only

Patrick T.

Owner

SARSFIELD COLLIE KENNELS

CLOSTER, N. J.

New York Office: 105-107 W. 31st St.

Sarsfield Collies at Stud

For Sale Russian Wolfhound Puppies

Bred by the best sons of Ch. Lasky and Ch. Zyclon and out of
bitches by Ch. Zyclon, Ch. Lasky, Ch. Bistri, Ch. Westbury
Rattler, Razloff O'Valley Farm, Ch. Khotni and other equally
bred bitches. This is a very classy lot of puppies and are priced
to sell. Send 10c for catalog.

ARKANSAS VALLEY KENNELS, Cimarron, Kansas



BELLE MEADE PONIES

Shetland and Welsh

Children's Pets and Blue Ribbon Winners
Send Ten Cents for Beautifully Illustrated Book

BELLE MEADE FARM

BELLE MEADE, VIRGINIA



Just What You Want

One of my

ADORABLE PEKINGESE PUPPIES

Strong, healthy, eligible, unexcelled pedigree

Mrs. L. B. Goodrich TAUNTON, MASS.



RUSSIAN WOLFHOUND

Ideal Companions. Puppies and grown hounds for sale

Delaware Valley Farms, Titusville, New Jersey

THE POULTRY YARD



G. D. TILLEY, Inc.

Naturalist

"Everything in the Bird
Line from a Canary
to an Ostrich"

Birds for the House and Porch
Birds for the Ornamental Waterway
Birds for the Garden, Pool and Aviary
Birds for the Game Preserve and Park

Special Bird Feeds

I am the oldest established and largest exclusive dealer in
land and water birds in America and have on hand the most
extensive stock in the United States.

G. D. TILLEY, Inc., Naturalist
Box H. Darien, Conn

S. C. White Leghorns

Producing eggs is the
most profitable part of the
poultry business; White
Leghorns are the most eco-
nomical producers of eggs
in the world. If you wish
to start a profitable flock,
write us at once for our
1917 Mating List.



Hatching Eggs, \$5.50 for 50, or \$10.00 for 100
Baby Chicks, \$12.50 for 50, or \$20.00 for 100

WILBURTHA POULTRY FARMS

Chas. J. Fisk, Owner
45 River Road

M. L. Chapman, Gen. Mgr.
Trenton Junction, N. J.

The Coming Hobby—Pigeon Fancy B. PETERSON, DELMAR, N.

Fancier, Exhibitor and Dealer of all varieties of
Pigeons, Performing and Utility Pigeons. I have
the highest honors at the big shows. Can furnish
collections of fancy and rare varieties or can supply
prolific stock for squab breeding. Correspondence
pleasure.



African and Toulouse Geese, Pekin, Ro

and Black Orpington Ducks, Pearl
White Guineas, S. C. White Legh
and R. I. Reds.

Day Old Chicks, Ducklings, Goslings
Hatching Eggs.

Chicago, New York, State Fair and
Winners. 1917 Catalogue on request.

ROY E. PARDEE
Box 495A Islip, L. I., N. Y.

BABY CHICKS From the Shell to You

North Side Guarantee Baby Chicks are all from free range,
healthy, vigorous, pure bred breeding flocks. 18 VARIETIES

NORTH SIDE POULTRY COMPANY

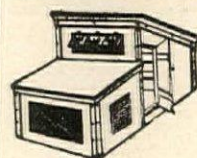
Desk A, North 343 Seventh St., Allentown, Pa.

Send for Catalogue

MEMBER



Stronger Than
Hen Hatched



YOUNG'S Portable Poultry House

Better and cheaper than you can build.

Write for our free booklet showing 30 different
of large portable houses, coops, etc. Prices \$1 and up

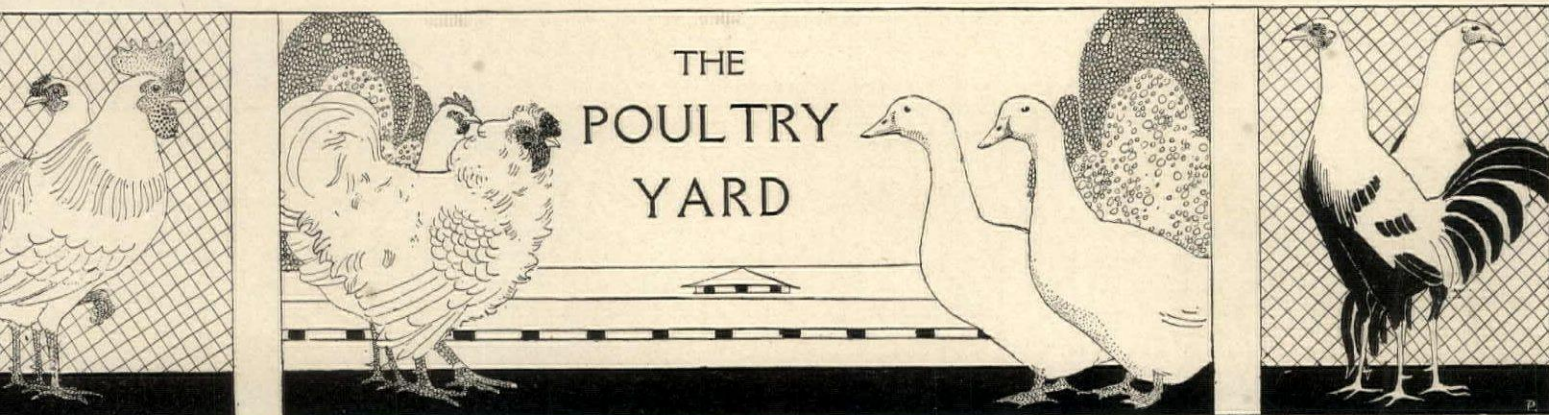
E. C. YOUNG CO., 18 Depot St., Randolph, Mass.

PEARL GRIT

Every Hen an Egg Factory
They can't help laying when they
get PEARL GRIT. It "chews"
the food in the gizzard, and adds
sulphur and carbohydrates for
eggs, lime for shells. Booklet
free. Write today.

THE OHIO MARBLE CO.
Cleveland Street, Piqua, Ohio





THE POULTRY YARD

The Rockwood Farm's

"Rainbow" Partridge Plymouth Rocks win for beauty of shape and feather at New York, Atlanta, Boston and Panama-Pacific Exposition. Win as Layers at Egg Laying Contest. Catalog 76, describing breed, building and feeding method, 10c.

THE ROCKWOOD FARM
Box 1119 Norwalk, Ohio

ster Tompkins' Rhode Island Reds
The originator of this, the greatest laying strain on earth.
So win in the strongest competition wherever shown.

Send for mating list—stock and eggs.
STER TOMPKINS, CONCORD, MASS.

Greider's Fine Catalogue

of fine poultry for 1917. 67 breeds described and illustrated, some in natural colors. Tells how to make hens lay, grow chicks, avoid brooder losses, build houses, prevent and cure diseases. Very low prices on breeding stock, brooding stock, hatching eggs and Brooders. Illustrates famous Greider Incubators and Brooders. This noted book, from largest poultry farm in Pa., a perfect guide to poultry raisers, only 10c. In business 25 years.

H. GREIDER - Box 26 - Rheems, Pa.

RAISE PIGEONS

It's lots of fun and keeps you in pocket money. Our Jumbo pigeons are the envy of everyone. Send for large free illustrated, instructive book.

Providence Squab Co. Dept. S, Providence, R.I.

PHEASANTS

Golden, Silver and Amherst Pheasant Eggs for Setting. To assure early delivery order promptly.

GEORGE R. FORD

Belmont Farm Perrysburg, Ohio



Anchor Post Poultry Run Fences

These Modern Fences are used and endorsed by a large number of the foremost poultry raisers, who recognize their marked superiority to any ordinary form of fence. They are practically indestructible, may be made rat and vermin-proof, and make it easier to keep the birds in a healthy condition.

Write for our Catalogue No. 4, describing them in detail.

ANCHOR POST IRON WORKS

11 Cortlandt St., (13th floor) New York

CONFORMING to our customary policy of co-operation, we have recently inaugurated this new department for your convenience.

On file in this office there are many desirable properties of every conceivable description. Acting in the capacity of "Central," we will communicate your especial requirements to that party having a property corresponding to your needs.

Write us, describing as briefly as possible, your wishes.

A 1 I have a property at South Norwalk, Connecticut. It contains six rooms, living room and dining room in one, three family bedrooms, one maid's room with toilet, kitchen and one bath. There is a large fireplace in the living room. There are good closets, separate shelves for linen, front porch and back porch, windows screened and curtained, good wash tubs, sink, dresser, coal range and refrigerator. There is an attic for storing trunks, rough finished wood work, stained grey floors finished for rugs, electric light, telephone. The property is directly on the water, with good sailing, fishing and bathing. The roads are fine. The property is well wooded, irregular plot with one hundred ninety feet on shore by one hundred fifty-eight on the road. Nice neighbors. About one and a half miles from South Norwalk, a mile from trolley and one hour and five minutes from South Norwalk station to Grand Central terminal. The price is \$4000—mortgage of \$750. Will sell furniture if desired.

A 2 For Sale, an admirably situated tract of 15½ acres, one-half woodland on high elevation. Only ¾ of a mile from Scarsdale Station and 19 miles from New York City—express train service.

A 3 For Sale, a farm in Loudoun County, Virginia, Piedmont section, just at the foot of the Blue Ridge. It consists of 390 acres. A mile from the railroad station at Bluemont, on the Washington & Old Dominion Railway, 56 miles west of Washington. About 30 acres are in woodland and the remainder in cultivation. The soil produces good crops of wheat, corn and hay, and other crops of this section. The house, a frame structure, contains ten rooms and there are numerous outbuildings on the property. By an expenditure of a very moderate amount, this property can be made into an ideal country home. The price is \$90 per acre.

The Real Estate Mart—House & Garden

445 Fourth Avenue

New York, N. Y.

Homestead Silver Campines

The Vigorous Strain

HOMESTEAD — The Word that DOMINATES in the world of Campines.

Our beautiful new catalogue will give you full description and history of this remarkable breed of fowl. Price, 15 cents.

Homestead Campine Farms

Box H-G Wayland, Mass.



First Prize Cock, Palace Show, 1916

Rhode Island Reds

TRAPNESTED STOCK

BREEDING COCKERELS, early hatched, free range birds from record winter layers. Large, hardy, hen-hatched. Long backs, short wide-set legs, low tails. Brilliant glowing deep red. BREEDING PENS, tricos. PRIME YOUNG BREEDING HENS; EARLY HATCHED PULLETS. Heaviest winter laying Reds in America. Laying rates 211 to 279 eggs. NON-BROODY. Upright dealings, safe delivery, prime stock. Hatching eggs. Booklet.

From a New York State Customer:

Finest birds I ever saw. I GET EGGS WHILE MY NEIGHBORS GET NONE. (Signed) P. R. L.

VIBERT RED FARM

Box 14, Weston, N. J.



WE are now booking orders for eggs for Spring delivery on following varieties of pheasants: Silver, Golden, Ringneck, Lady Amherst, China, White, Mongolian, Swinhoe, Versicolor, Elliott, Impayan, Manchurian Eared, Melanotus. Also in Wild Turkeys, Japanese Silky Bantams and Longtails, Blue, White and Pied peafowl, as well as Wild Mallards and other fancy ducks.

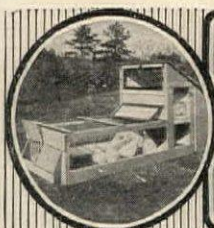
Send fifty cents in stamps for colortype catalogue of pheasants and how to raise, together with our new supplement.

CHILES & COMPANY Mt. Sterling, Ky.

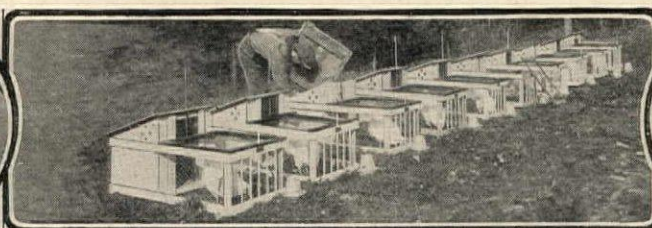
If The Eggs Don't Hatch We Make Good THE MARTLING SILVER CAMPINE

is a most economical breed of fowl. They are strong, sturdy and vigorous, and mature quicker than any others. They cost considerably less to feed than any others. Their eggs are unusually large and absolutely chalk-white. Authorities class them as 200 egg strain. They are also the greatest prize-winning strain in America. They are giving satisfaction everywhere. Send for our guarantee and price list.

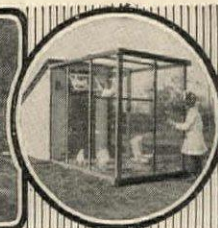
THE MARTLING HENNER, P. O. Box 186Y, Ridgefield, N. J.



No. 0 Poultry House



Setting Coops



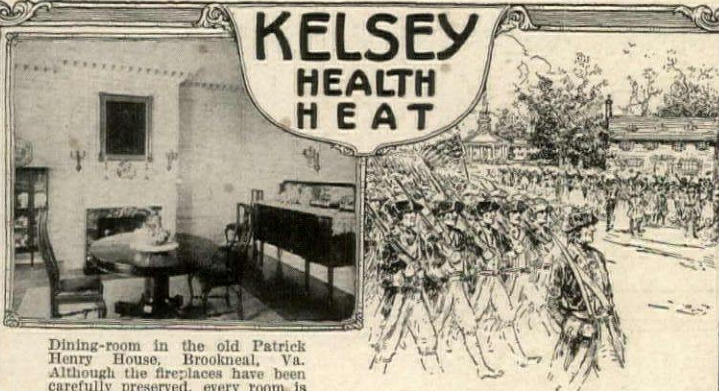
Pigeon House

Hodgson Portable Houses

This sanitary poultry house is an egg record breaker for 12 hens. The setting coops keep the hens by themselves while setting. The pigeon house (with its flight cage) is fitted complete for 10 nests. Hodgson poultry and pet stock houses are the most scientifically constructed on the market. Made of painted sections that can be easily bolted together by anyone. Send for illustrated catalog.

E. F. HODGSON COMPANY,

Room 326, 116 Washington St., Boston, Mass.
6 East 39th Street, New York City



KELSEY HEALTH HEAT

Dining-room in the old Patrick Henry House, Brookneal, Va. Although the fireplaces have been carefully preserved, every room is made comfortable by Kelsey Health Heat.

Then and Now

NOTWITHSTANDING the back chilling, face burning fireplace method of heating in the days of the Revolution, folks were then a sturdy lot; notably free from colds and akin troubles.

They had ample fresh air in their homes.
There was no way of preventing it.
The fireplaces ventilated while they heated.
So does the Kelsey Health Heat.

Not only does it heat with *large volumes* of freshly heated, fresh air; but it automatically mixes with its freshness, just the right healthful amount of moisture.

That it is positive in action and economical in operation, there are abundant proofs.

Let us send you some interesting printed matter that will give you some conclusive facts for comparing Kelsey Health Heat with all other heats.

New York
103-K Park Avenue
Detroit
Space 95-K Builders' Exch.

THE KELSEY

WARM AIR GENERATOR

Chicago
2767-K Lincoln Avenue
Boston
405-K Post Office Sq. Bldg.

237 James St., Syracuse, N. Y.

SUMMERY CRETONNES

*House & Garden
Will Buy Them for You*

"Why do not American manufacturers stop copying European cretonnes and linen designs and create some really original American fabrics?" inquired House & Garden. "Observe!" retorted the manufacturers this spring.

House & Garden did observe! and in this April first issue presents their new designs—the first that stand comparison with the best European fabrics.

Besides these delightful American prints, there are the exquisite Chinese designs—mellow lengths that might have been looted from the yamens of the Forbidden City itself.

If you want something really different and yet smart for your summer home this season, ask House & Garden to buy you some of these fascinating new fabrics.



For Your Convenience and Ours

1. **Please write plainly**—especially your name and address. Use one side of paper only. When an answer is required, enclose stamped, self-addressed envelope for reply.
2. **Give page and issue.** When ordering any article mentioned in House & Garden, please give date of issue and number of page on which it appeared.
3. **Cheque or money order.** Enclose your cheque or money order to cover cost of desired articles. If price is unknown, send approximate amount. Should a balance remain after purchase, it will be refunded promptly. Cheques should be made payable to House & Garden.
4. **Insufficient remittances.** In case your remittance is insufficient, you will be notified promptly. Articles cannot be forwarded until the full amount has been received.
5. **Deliveries.** Unless otherwise requested, all orders will be sent express collect. Charges will be prepaid, however, when approximate amount is enclosed for that purpose. Orders cannot be sent C. O. D. by the shop. When ordering small articles, include sufficient postage for mailing. Orders that are shipped at once will not be acknowledged, but if your order is unavoidably delayed in shipment we will inform you; so if, after a reasonable time,
- you receive neither the package nor an acknowledgment please notify us.
6. **Articles on approval.** By special arrangement made at the time of ordering, articles may be sent on approval in the United States only. In such case the express both ways will be at your expense.
7. **Returned articles** should be addressed directly to the House & Garden Shopping Service, not to the shop. This will avoid considerable delay in the adjustment of your account and the refunding of your remittance.
8. **No charge accounts.** To avoid bookkeeping, House & Garden Shopping Service opens no charge accounts; nor can House & Garden undertake to charge purchases to the individual account in the shop from which they are bought.
9. **No samples.** The House & Garden Shopping Service cannot undertake to send samples.
10. **Specify size.** When ordering garments of any kind, be sure to state your size. Always in ordering any article, give us the fullest possible idea of your preferences in color, style, material, etc.
11. **Second choice.** Wherever possible, please name an alternative or second choice, in case article desired is no longer obtainable.

House & Garden Shopping Service
443 Fourth Avenue New York City

American Evergreens

FROM APPALACHIAN SLOPES.
Kalmias, 'Dendrons, Hollies, Leucothoes.
Samples of 12 seedlings, postpaid, \$1. Or 2 of each and 6 sword plants, inc. Arbutus and Galax, \$1. By express, your expense. 12 samples, 1½ ft. transplants of above, or of Azaleas, C. Hemlocks, Silver Bells, etc., well-rooted and burlapped, \$2.
HARDY EVERGREEN GARDENS, Old Fort, N. C., Route 1

SUN ROOM AND GARDEN SPECIALTIES IN FAIENCE

Fountains
Pottery, Tiles, Etc.

THE ROOKWOOD POTTERY CO.
CINCINNATI, O.

Mott Fountains



The quiet dignity of a Mott Fountain lends itself to the natural beauty of its surroundings.

It adds distinction to the modern country place.

Write for our special catalog which describes the Mott Fountains in detail.

We issue separate catalogs of Display Fountains, Drinking Fountains, Bird Fountains, Electroliers, Vases, Grilles and Gateways, Settees and Chairs, Sanitary Fittings for stables and cow barns.

Address Ornamental Dept.

THE J. L. MOTT IRON WORKS, Fifth Ave. & 17th St., New York

MOTT



Savo
WATER AND PLANT BOX

PATENTED—JAN. 23rd, 1917

made of Heavy Galvanized Steel

Watering—Sub Irrigating

keeps the growing plants from bottom making longer roots better plants, leaving top mealy and loose. Pour water in tube once a week. Perfect circulation and drainage.

Year Round Flower Box

Savo Flower Boxes are leak-proof and rust-proof. No transplanting—you can move Savos indoors or out when desired and have beautiful flowers plants the year round.

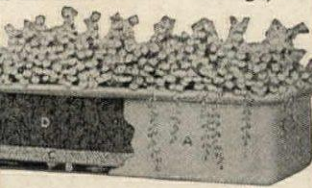
Windows Porches Sun Parlors

in all sizes—artistic in design beautifully finished in Aluminum, Gilt or Dark Green.

Write for **FREE Booklet**

MANUFACTURING CO.

Dept. C
La Salle Street Chicago, Ill.



outside body of box. B—Water in the arched reservoir. C—Layer of coarse soil above perforated arches. D—Soil above with growing plants.

Have the Home Complete

If you are planning to build or expect to remodel your home give comfort and completeness first consideration by installing

The "MINNEAPOLIS" HEAT REGULATOR

"The Heart of the Heating Plant"

There is no other device affording so much real comfort, convenience, economy and safety to the entire household.

Takes complete charge of the drafts and dampers of any style of heating plant—hot water, hot air, steam, vapor or vacuum—burning coal or gas.

Its accurate automatic operation means even, healthful temperature at all hours of the day and night.

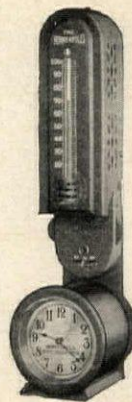
The clock attachment enables one to secure a higher or lower temperature of any exact degree at any set hour.

Has proven its merit in tens of thousands of homes for 32 years—a marvel of convenience.

Sold, installed and guaranteed by the heating trade everywhere.

Write Us for Booklet

Minneapolis Heat Regulator Co.
2785 Fourth Ave., So. Minneapolis, Minn.



Are You Interested in a Home?

Send today for wonderful book, beautifully printed, showing exterior views and floor plans of 14 new homes. See the latest ideas in design and arrangement of rooms. Enclose 6c in stamps, and we send the book free just to show you the kind of homes we will publish every month in the new **Touchstone Magazine**. With each advance subscription we will give free complete set of architect's working drawings of any Touchstone home shown in Magazine during the year. These

Complete House Plans Free

Save You \$100 to \$250 which is the price any architect would charge you. Besides showing house plans, the new Touchstone Magazine will give expert advice on materials, will help you in the selection and arrangement of furnishings, will give you just the hints and helps you need in planning the interior and exterior of your home, including grounds, gardens, etc. In addition to matters concerning the home, it is devoted to Art, Music, Fiction, Poetry, Architecture, Gardening, Education, the Stage, Home Making and the Crafts.

HERE IS OUR OFFER

THE TOUCHSTONE MAGAZINE for one year	\$4.00	All For \$4.00
THE TOUCHSTONE MAGAZINE 3 mos. free	1.00	
Your own selection of any Touchstone House Plan published during year, value at least	\$100 to \$250	

The Touchstone Magazine, Room 113, 118 East 30th St., N. Y. C.

FREE BOOK Garden Lovers!

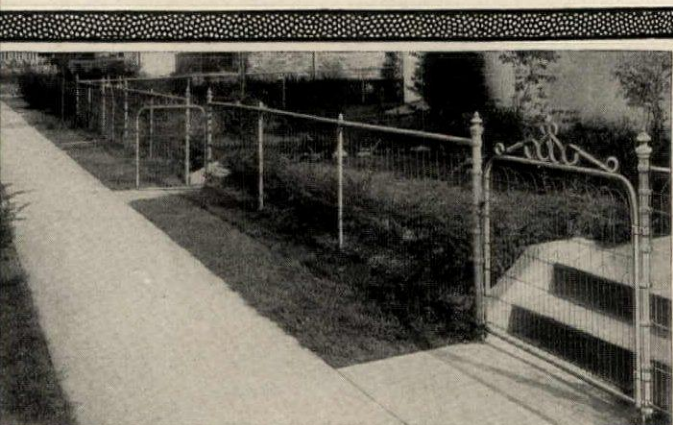
Whether your grounds be large or small this book will help you.

WAGNER'S GARDEN CATALOG 58

Has complete lists of Roses, Hardy Flowers, Annuals, Shrubs and Trees.

Write to-day for copy.

Wagner Park Nursery Co., Box 923, Sidney, Ohio



Fence Helps

If you are one of the many who are tired of having your lawn tramped on by passers-by; romped on by your neighbors' children; your flowers mauled by dogs, and your garden scratched up by chickens, then we can help you.

You need a fence. The kind that will effectively protect you from annoyances, and yet not so formidable as to be forbidding to those you welcome.

Such fences are within the reach of every home owner.

One of our service experts will gladly give your particular needs his personal attention. A photo of your grounds, if convenient, will help. Ask for this free service when you ask for catalogue.

American Fence Construction Co.

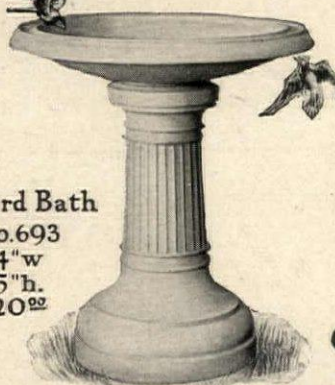
"Iron and Wire Fences for Every Purpose"

100 Church St., New York

GALLOWAY POTTERY

Doubles the Garden's Charm

Bird Bath
No. 693
24" w
25" h.
\$20⁰⁰



Classic Simplicity is typical of the many beautiful designs in our Collection

Galloway Pottery is everlasting Terra Cotta, made in a variety of forms, including Bird Fonts, Sun-dials, Flower Pots and Boxes, Vases, Benches, Cazing Globes and other interesting pieces that recall the charm of Old World Gardens.

Catalogue will be sent upon request

GALLOWAY TERRA COTTA CO.
3218 WALNUT ST. PHILADELPHIA.

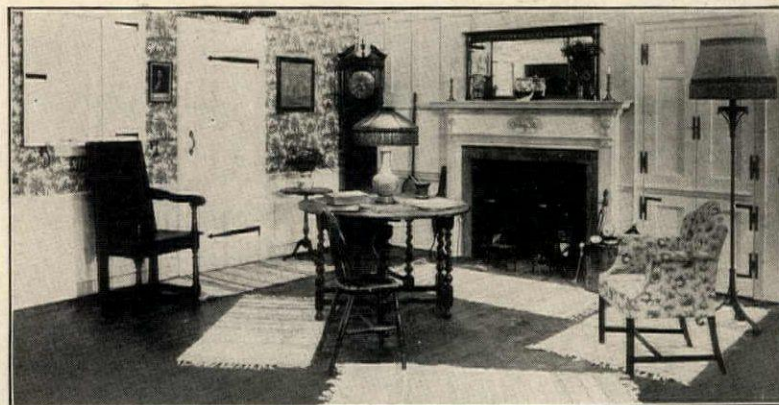
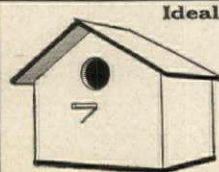


EXHIBIT OF MANTEL AND HAND FORGED METAL WORK
AT THE NATIONAL BUILDING EXPOSITION N. Y. CITY BY
ARTHUR TODHUNTER 101 PARK AVE., NEW YORK

ROSES

for \$1.00. Get our price list

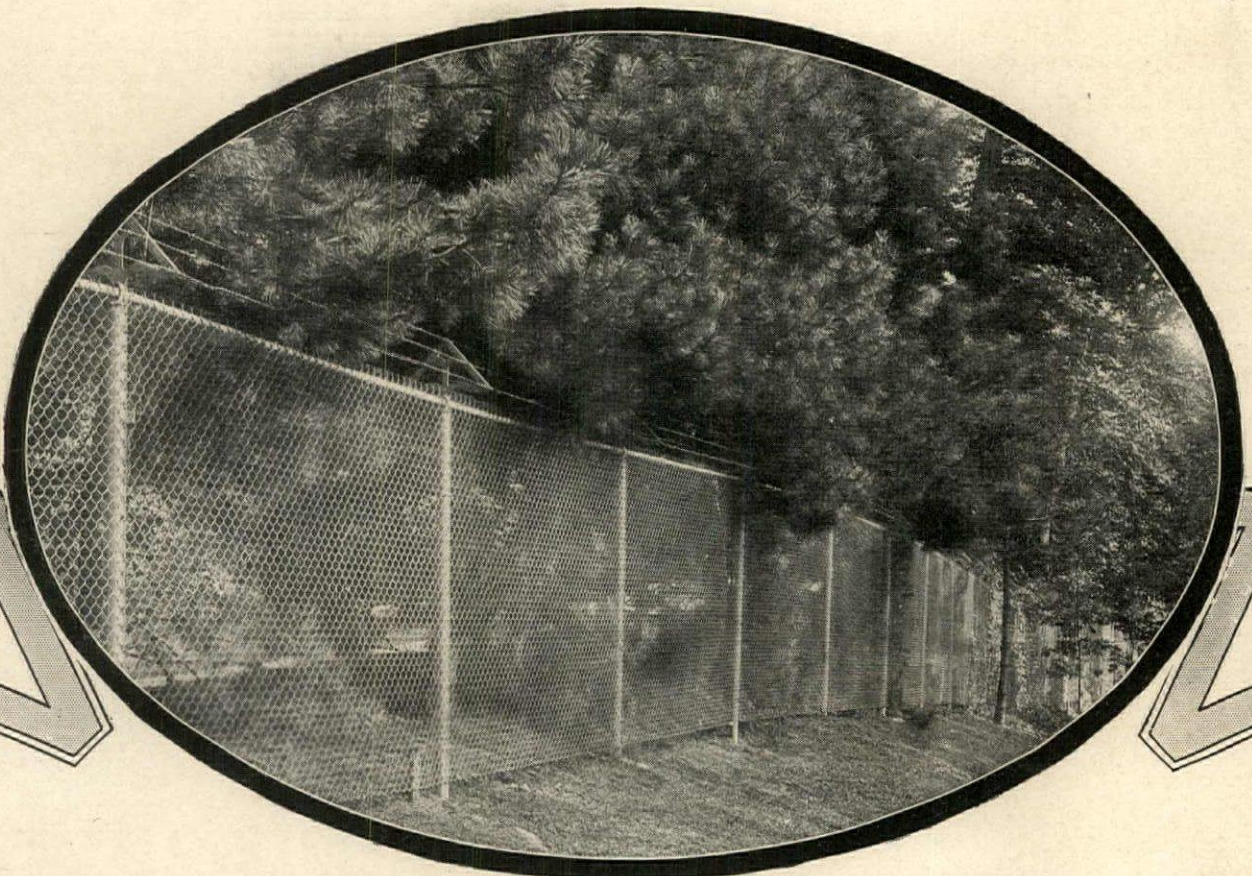
WOODLAND FLORAL CO.
Baltimore, Md.



Ideal Bird Houses

For Wrens and Blue birds are the most artistic made in this country regardless of price. 3. each different style, for \$1.00 free to third zone. Write for Circular

Ideal Bird House Co., New Windsor, Carroll Co., Md.



GUGGENHEIMER, UNTERMYER & MARSHALL
No. 120 Broadway, New York

June 30th, 1916.

Cyclone Fence Company, Waukegan, Ills.

Dear Sirs: I take great pleasure in herewith enclosing check for \$5,258.89, being the amount of your bill. I want to say that I am making this payment with great satisfaction and that the work as done is fully up to all your promises to me. I would be glad at any time to recommend your Company to my friends, as being thoroughly reliable in the character of the work that they have done.

Very truly yours,

SAMUEL UNTERMYER.

Cyclone Fence, from the standpoint of beauty, character, great strength and durability, is America's greatest fence, built by America's greatest fence manufacturers. It affords absolute protection to public and private grounds. No other means so fully conserves the beauties of nature and the constructive work of man.

Cyclone

Property Protection Fencing Pays

Cyclone Fence is especially designed as a beautifying and safeguarding enclosure for large country and suburban estates, public parks, club grounds, municipal and government grounds, cemeteries, etc. Its unapproachable quality imparts distinction and charm to the grounds enclosed.

Our Engineering Department will freely assist and advise with you without charge.

Our free catalog is one of our worth-while books we will be pleased to send you.

Write to Office nearest you or to Home Offices, at Waukegan, Illinois.

CYCLONE FENCE COMPANY

(The Master Fence Builders)

WAUKEGAN, ILL.

Dept. 147

CLEVELAND, OHIO

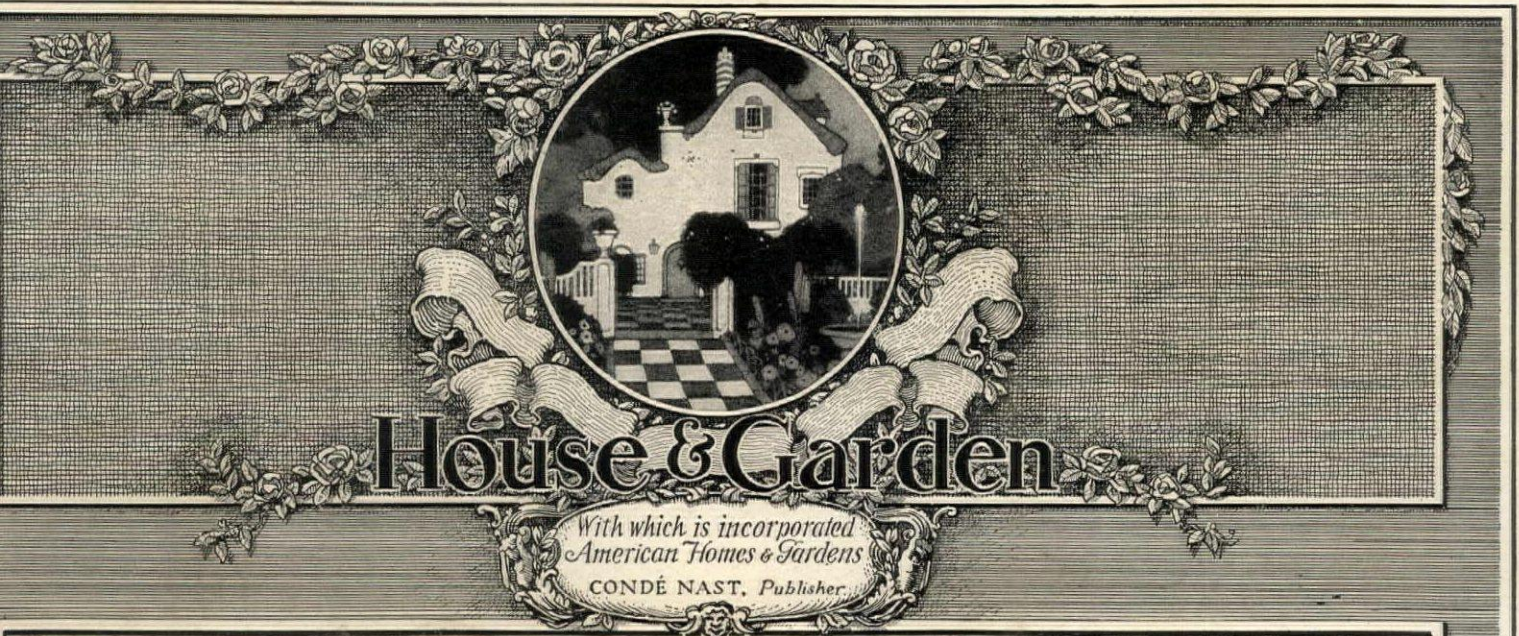
Branches: New York, Detroit, Chicago, Oakland, Cal.

Cyclone Fence Company, Dept. 147, Waukegan, Ill.

Please send me free illustrated catalog on items checked below:

- | | |
|---|---|
| <input type="checkbox"/> Cyclone Property Protection Fence. | <input type="checkbox"/> Cyclone Entrance Arches. |
| <input type="checkbox"/> Cyclone Ornamental Lawn Fence. | <input type="checkbox"/> Cyclone Flower-bed Border. |
| <input type="checkbox"/> Cyclone Chain Link Fence. | <input type="checkbox"/> Cyclone "4 in 1" Playground Outfits. |
| <input type="checkbox"/> Cyclone Cemetery Fence. | <input type="checkbox"/> Cyclone Walk Gates and Drive Gates. |
| <input type="checkbox"/> Cyclone Vine Trellis and Arches. | <input type="checkbox"/> Cyclone Farm Gates. |
| <input type="checkbox"/> Hy-grade Iron Fencing and Gates. | <input type="checkbox"/> Hy-grade Window Guards and Grills. |
| <input type="checkbox"/> Hy-grade Iron and Wire Work for Kennels, Poultry Houses, Zoological Gardens, etc | |

My name..... P. O..... State.....



APRIL, 1917

Contents

VOL. XXXI, NO. FOUR

COVER DESIGN BY Porter Woodruff		BUCKS, FRILLS AND HORSEFLESH IN OLD ENGLISH PRINTS....	40
FRONTISPIECE—A JEWEL ENSHRINED.....	18	Clifford Poppleton	
Cross & Cross, Architects		IN THE GARDEN OF JAMES PARMELEE, ESQ., WASHINGTON,	
WHAT IS MODERN DECORATION?.....	19	D. C.	41
B. Russell Herts		Charles A. Platt, Architect	
THE BEAUTY SPOT OF THE ROOM.....	22	A COUNTRY COTTAGE OF COMPACT LINES.....	42
Peyton Boswell		Wallace & Warner, Architects	
THE RESIDENCE OF HENRY W. BLAKE, ESQ., AT ENGLEWOOD,		A LITTLE PORTFOLIO OF GOOD INTERIORS.....	43
N. J.	24	FLOWERS OF THE RAINBOW GODDESS.....	46
Hays & Hoadley, Architects		Grace Tabor	
FRESH BERRIES—WITH CREAM.....	25	COMPROMISING WITH THE EAVES.....	48
Robert Stell		H. Beresford Stanton	
EDITORIAL	26	SIX SCHEMES FOR THE FOUNDATION BORDER.....	50
The Frantic Astronomer; by Christopher Morley		Elizabeth Leonard Strang	
AN INTIMATE DOORYARD.....	27	HOW THE STRAWBERRY SEES IT THROUGH.....	52
Kelley & Graves, Architects		William C. McCollom	
THE DELICATE BEAUTY OF CHINESE PORCELAINS.....	28	ESSENTIALS IN BEDROOM FURNISHING.....	53
Gardner Teall		Agnes Foster	
THE EVER ESSENTIAL ROSE.....	30	CONVENIENT DEVICES FOR THE HOUSE.....	54
F. F. Rockwell		THE GARDENER'S KALENDAR.....	55
MEN'S FURNITURE FOR MEN'S ROOMS.....	32	SEEN IN THE SHOPS	56
WHAT A FIFTY-FOOT GARDEN WILL GROW.....	33	PLANTING THINGS TO GROW AND LIVE.....	58
Mary Rankin Thomas		D. R. Edson	
THE GROUP IN FURNITURE ARRANGEMENT.....	34	IRON FENCES FOR THE PERMANENT PLACE.....	59
H. D. Eberlein and Abbot McClure		H. P. Thurston	
COLOR TENDENCIES IN SPRING FABRICS.....	36	KNOWING THE WILD MUSHROOMS.....	60
SHINGLE AND THATCH FOR THE COTTAGE ROOF.....	38	Orin Crooker	
Gustave Caretto		SHIPS THAT NEVER WENT TO SEA.....	61
		Costen Fitz-Gibbon	

Copyright, 1917, by Condé Nast & Co., Inc.

"SUMMER IS ICUMEN IN"

WHILE you, gentyl readers, were knocking the icicles off the old pump and praying that the coal in the cellar would see the winter through, we were disporting ourselves in zephyr-swept gardens, lolling in easy chairs on sunny porches and lying about on shaded lawns listening to the trickle of water from wall fountains—editorially speaking. And in those pleasant hours we assembled such stuff as summer homes are made of. All of them will be shown in the next issue—May—which is yclept The Spring Furnishing Number.

Here are articles—and pictures galore—on breakfast rooms and porches; the country house dining-room table between meals; new summer house fabrics and wall papers; hot weather rugs and furniture; and a portfolio of rooms that must be a joy to live in—certainly they are a joy to look at. The student of interior decoration will find it to her advantage to read the articles on Early



There are all kinds of porches in the May issue. This is only a glimpse of one. Wait and see!

year, 90% of them appeared in HOUSE & GARDEN in the previous twelve issues. This is picking winners. It is also giving you the first view of the best domestic architecture in America.

Italian tables and on French prints.

The gardener finds complete satisfaction in the stories on lilacs, on making rock gardens and on the use of summer bulbs. In addition, of course, there is the gardener's calendar, that necessary *vade mecum*, a description of a small formal garden, a spread on dogwood, tree surgery and on seasonal culture. Not the least important of the gardening articles is the fifth of D. R. Edson's series telling the whole story of the game—from the ground up, literally and figuratively.

For the house builder are two small houses that are top hole and a medium-sized country house that takes the prize. Speaking of prizes, it may interest you to know that of the executed houses shown at the Architectural League Exhibit this

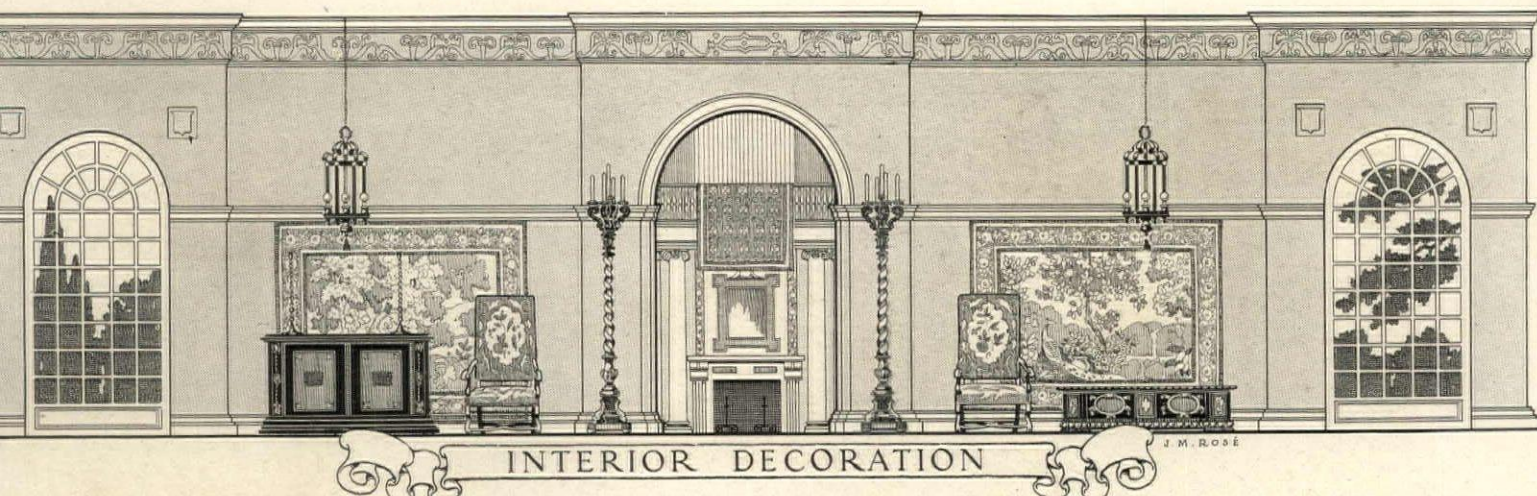
PUBLISHED MONTHLY BY CONDÉ NAST & CO., INC., 445 FOURTH AVE., NEW YORK, CONDÉ NAST, PRESIDENT; W. E. BECKERLE, TREASURER. SUBSCRIPTION: \$3.00 A YEAR IN THE UNITED STATES, COLONIES AND MEXICO; \$3.50 IN CANADA; \$4.00 IN FOREIGN COUNTRIES; SINGLE COPIES, 25 CENTS. ENTERED AS SECOND CLASS MATTER AT THE POST OFFICE AT NEW YORK CITY



Photograph by Wurts Brothers

A JEWEL ENSHRINED

It is a worthy practice that when architects find a rare old doorway of great beauty in a foreign land they bring it home, incorporate it in the construction of the house, build rooms about it—enshrine it as a jewel is enshrined. This was done in the residence of Prof. Marquand at Princeton, New Jersey. Cross & Cross, architects



INTERIOR DECORATION

WHAT IS MODERN DECORATION?

The Why and Wherefore of Vivid Colors and Original Furniture and The Decorators Who Are Using Them

B. RUSSELL HERTS

MODERN decoration represents the real turn of a sense of humor into art. It is the same spirit which inspired the great carvers in their execution of fantastic shapes on their most revered cathedrals. And indeed, reverence and humor usually go hand in hand, so that the decorations of the present age represent a renaissance of reverence: a new birth of light, care, taste, study and individuality. We are in the period of the seekers; we are the Giottoes, the Cimabues, of this century, or rather the unknown jugglers of the pre-natal period; those who render the Giottoes and Cimabues possible.

PARALLEL PARADOXES

The art of literature illustrates today the same tendency as the art of decoration. A man is no longer either a theorist or an author. Mark Twain could now secure a serious reading, a thing which he found himself forbidden because his large loving public insisted on regarding him as a funny man. We have come to realize at last that laughter and tears may be only a hair's breadth apart.

In the theatre it is possible to produce "Another Way" and "Bushido" side by side, and Bernard Shaw is recognized as the most serious of all existent dramatists, despite his unmatched wealth of epigram. It is the work of immoral moralists, of serious thinkers, of gay romancers, and of artists to dare to be inartistic—according to their elders.

As said, in an earlier number of this magazine, that taste has become the pest and most mediocre thing in the world; that our girls dress in it, that nonentities live surrounded by it, and brainless

decorators still continue to preach it—often as a special discovery of their own.

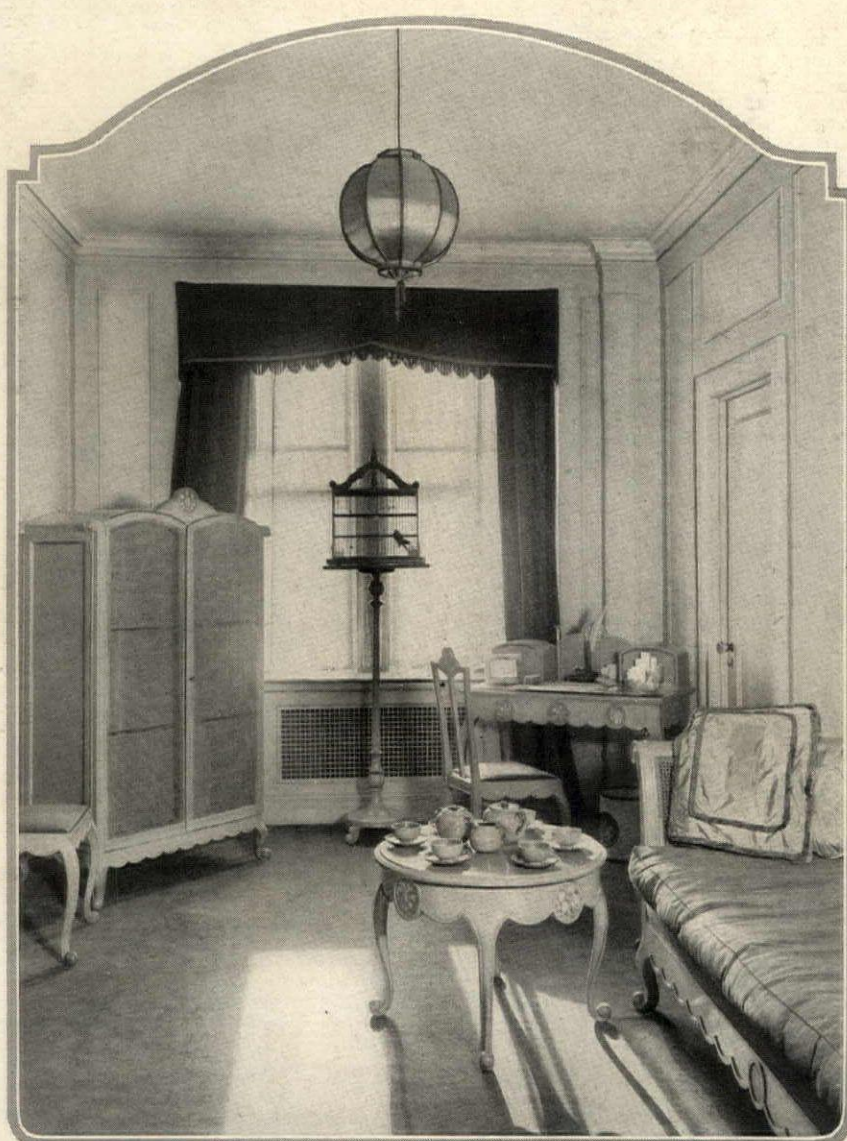
We moderns are in rebellion against this negative philosophy, this eternal affirmation of what must not be done. In art, as in morals, the determination of this century seems to be that "Thou shalt not" must be demoted from its place of honor. We are

tired of the eternal preachment of neutral backgrounds, of taupe walls, taupe rugs, cream ceilings, enamel in the bedroom and walnut in the sitting-room and oak in the dining-room. We despise the "charming," "interesting," "delightful" combinations, in such constant use among the twenty dollar salesmen at department stores. We welcome the bizarre, the ridiculous, the vivid exhibitions that would have been reveled in by the very masters of the 15th Century, whom we are told to copy, if these men were living today.

For the greatest ages of decoration have invariably been vivid, in the colors of art and of life. The walls of Greek houses, we now know, were resplendent in strong color, the Gothic reeked with vivid painted and inlaid surfaces, the Renaissance employed hues of which we have today only the disintegrating remains. What we copy in our art schools, is not the color of old Italian fabrics, but the discolor of four hundred years of wear and tear. The worship of the antique is a glorification of dullness and drabness that would have been reviled by the very men who designed and executed the originals. Let our over-cultivated instructors do their best to make us believe in the infallibility of their convention of the disgrace of newness, of the horror of fresh paint.

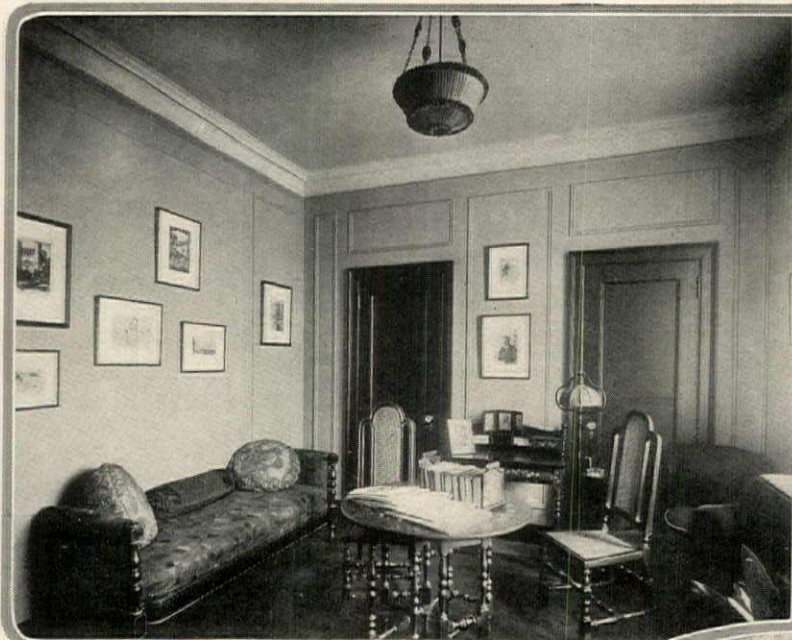
IN THE AFFIRMATIVE

So much for our denial of the negative anti-Victorianism of 1900. But something remains to be said on the affirmative side of our accomplishment. Mrs. Hazel H. Adler has written a three hundred page book in explanation of this, but in some ways her very worth while accomplishment seems to me



Herts Brothers Co., Decorators

The furniture in this boudoir was inspired by the dachshund—witness the legs. It is enameled blue with darker raised moulding and panels in rose, green and yellow. Upholstery and hangings in gold and yellow



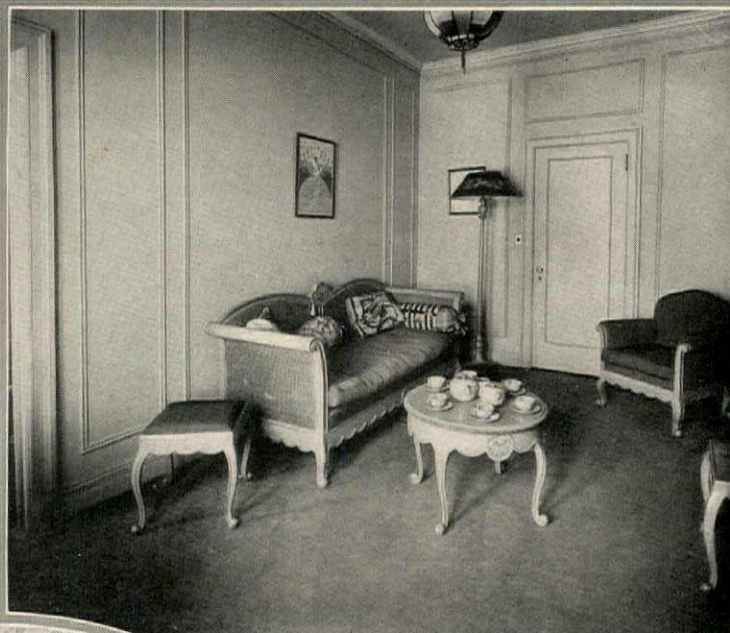
Herts, Decorators

A den in black and orange. Furniture painted with orange lines and flower decorations. Upholstery is orange and vari-color linen. Taffeta pillows and black taffeta bolster

too limited. For example, her statement of what has been accomplished by the forerunners of "Twentieth Century Decoration" refers to a long list of workers in decorated porcelains, handloom fabrics, embroidery, rug making, batik, block printing, ceramics, wrought metal, stained glass, and enamels, but not to any makers of furniture, wall decorations, architecture or interior design. In the remainder of the volume, many decorators' names are mentioned, but the illustrations of their work are only partially effective, and not always worthy. One imagines in the reading of this book that the moderns of America have modeled themselves too exclusively on the German school of *Innen-Decoration* to be the rightful forerunners of a new native art.

THE INEVITABLE

But in some way, by some means, perhaps undreamt as yet, the new style must come. We cannot continue to copy the antique forever, and certainly not the decaying examples of antiquity which are what we reproduce today. Some time, some leader of the fashions will declare "I shall have nothing in my house that has ever existed on land or sea, or in the heavens above or the waters under the earth," and then the



Herts, Deco

This is the other end of the b shown on page 19. The carpets a and the walls pale rose with blue ing. The under curtains are o gauze and the center light is

apes will climb up after her new demand for originality art, with a flourish of trumpet give birth to a new gesture.

THE RECALCITRANTS

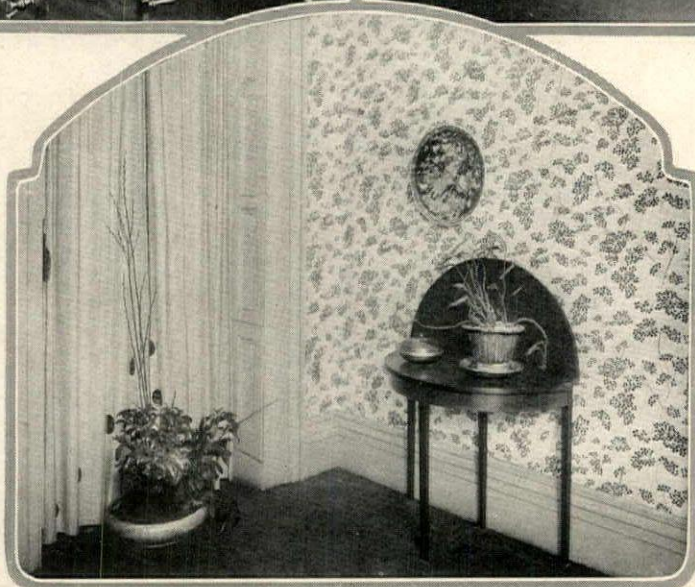
Meanwhile we are surrounded by a number of worthy performers by decorators who employ periods with a new sense—of design, and of humor.

Baron de Meyer, with a may-care audacity worthy of title, has selected the most des of all periods today and ha ploited it with great success. verve of his Victorian interior

remarkable; he have a lot of with them and clients, at the time that he ad the gayety of at one nation. H we have all th ugly things used new, effective and we perceive no one of the ugly in itself, only in relation everything else which it was us 1870, and '80, '90, and that a exists or coul made to exist which everyt even the Venus a clock in her might be fine.

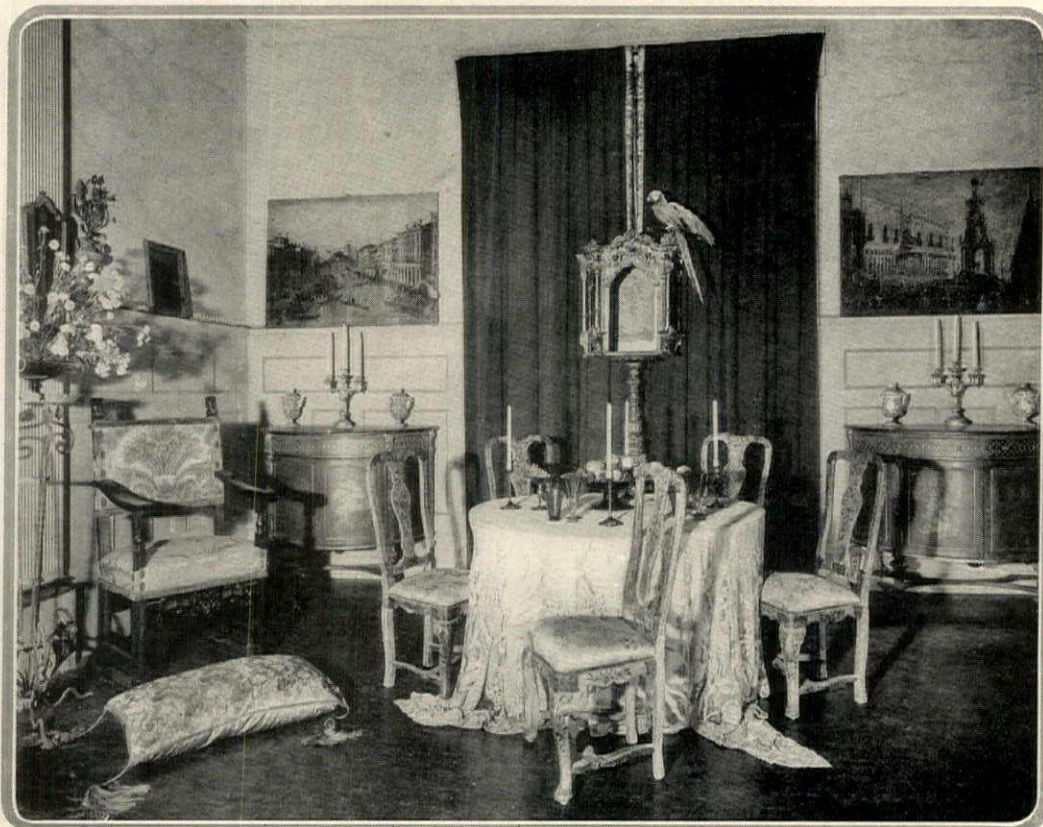
That itself is important poin the new teach which is bound follow the pra of a new st There is not wrong with b

(Continued on 92)



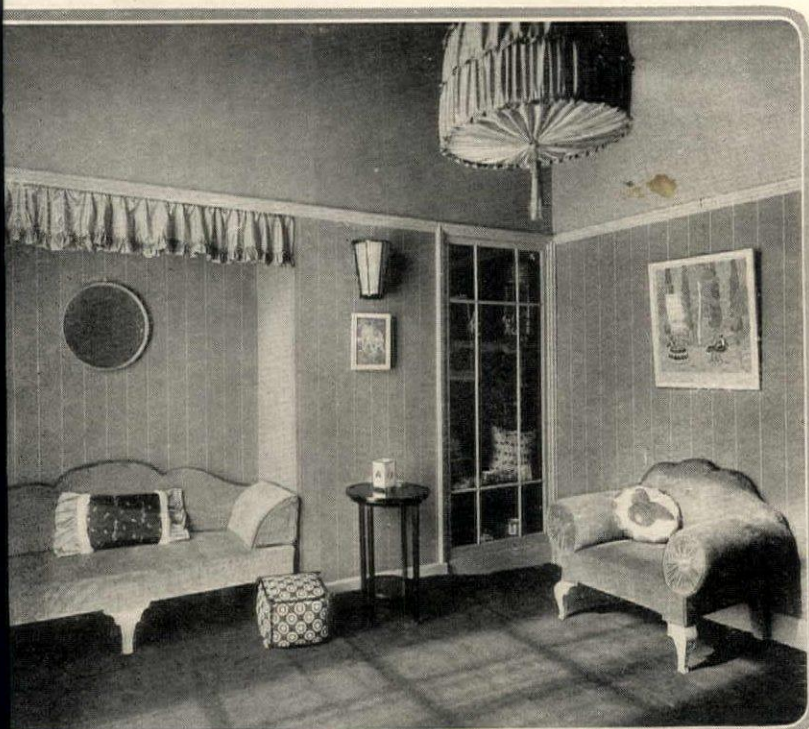
Anton Hellman, Decorator

A simple corner group shows modern wall-paper with a Chinese plaque, and conventional folding table, black carpet and white curtains with black appliques



Chamberlin Dodds, Decorator

A Venetian breakfast room. At the back are two decorated commodes with triple candlesticks and vases, a standing lamp holding a stuffed bird and orange velvet curtains. Table cover of filet. Violet carpet. Walls, woodwork and ceiling, turquoise blue



l Frankl, Decorator

A reception-room with red and blue walls and cream ceiling. Curtains and lighting fixtures orange red. Sofa, chair and carpet, blue velvet

Herts, Decorators

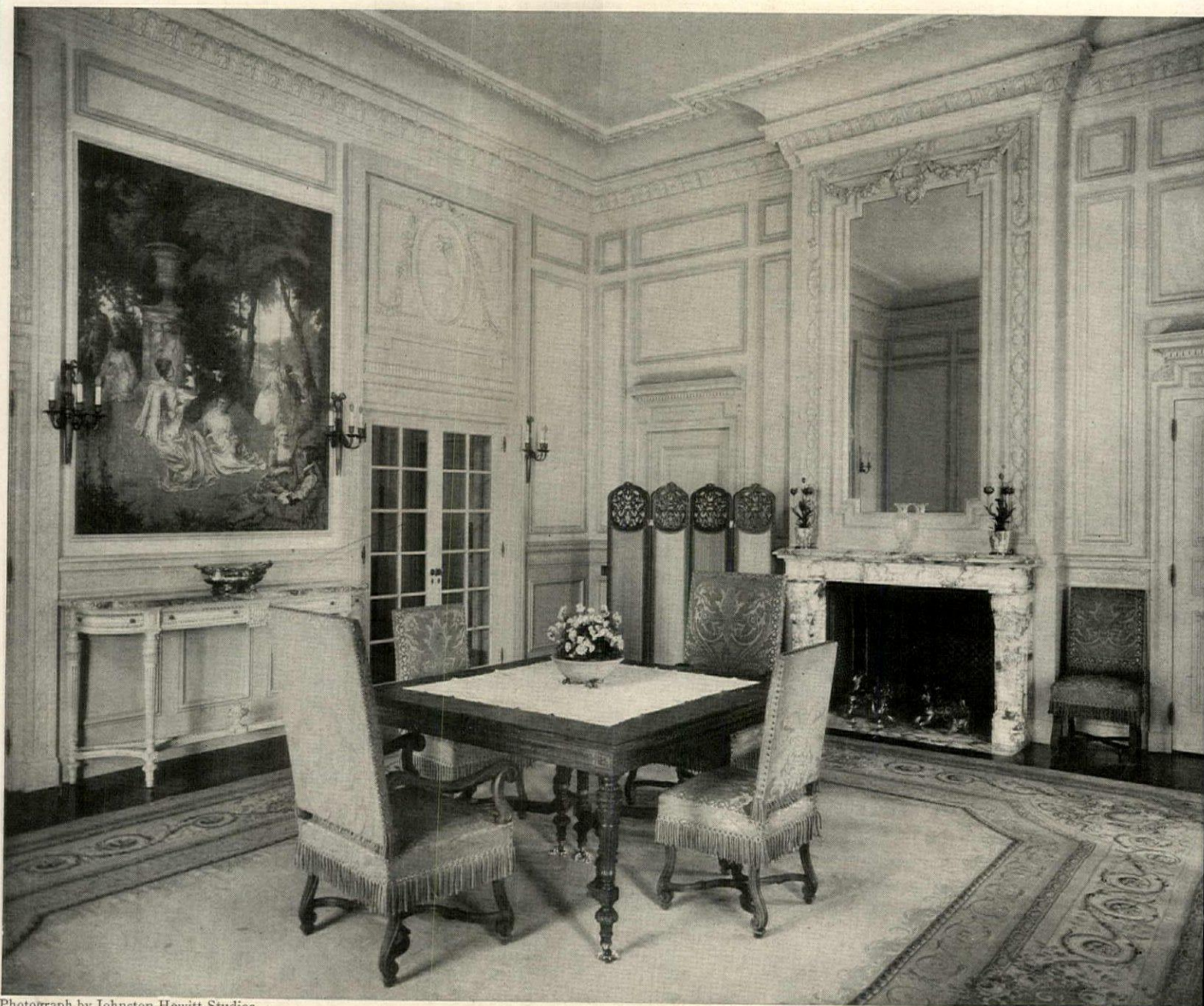
A young girl's library with mission furniture made over in dull green striped with tan. Chintz curtains and net sash drapes are used



The interior below is frankly Teutonic. Walnut walls, brilliant fabric on floor. Table of original design in walnut. Curtains of violet silk. Upholstery of violet velvet

l Frankl, Decorator





Photograph by Johnston-Hewitt Studios

The architectural axes of this dining-room are clearly marked. At the end of one is the fireplace with its over-mantel mirror. The other terminates in a console surmounted by a Watteauesque panel that gives the room a just measure of color and life

THE BEAUTY SPOT OF THE ROOM

Over-Mantel Paintings and Their Place in the Modern Home

PEYTON BOSWELL

A FIREPLACE is almost always the axis of a room, the point on which the eye naturally focuses. Appreciating this fact, decorators have used their best resources to make it express at a glance the general character of the surroundings. When it is understandingly used, it strikes the keynote of the decorative scheme, and greatly aids in giving unity to the arrangement. On the contrary, if unskillfully planned, it becomes a discordant note which disrupts the harmony that might otherwise be obtained.

When a woman has a particularly attractive feature, a nose that is perfect in its contour, a cheek that might tempt a painter's brush, or a chin that might grace a Grecian statue, she takes a small piece of court plaster and puts it where it will direct attention to that particular attraction. The ornamentation over the fireplace of a room may be likened to such a beauty spot; with this difference, however, that it is something more than a pointer, being, if rightly used,

a vital part of the decoration itself. It is capable, even, of usurping the importance of the fireplace itself, so that one is conscious of the over-mantel rather than the object which it decorates. When this is the case, the importance of the over-mantel becomes correspondingly greater, and deserves the very special attention of the person rationally planning a home.

Over-mantels in the United States have gone the whole gamut of the development of interior decoration. The first over-mantels were those of Virginia, and were brought bodily by the rich plantation owners from England. Their descendants and the descendants of the other colonists could not afford to import such elaborate objects of art and there grew up the Colonial style, which in over-mantel decoration, as well as furniture, was a potpourri of the English

styles that followed the one after the other, a medley of Chippendale, Sheraton, Hepp white and Adam ornamentation, with a mirror or a picture as the central piece.

The Colonial style still persists, and it has its undeniable charm, even though it may lack in individuality. It is immeasurably better than the product of the period of over-ornamentation in interior decoration from which the country is only now gaining artistic relief.

The tendency of the present day toward simplicity of arrangement, and individuality. This healthful development is one of the marked things in American decoration of the present day. It succeeds the era of extravagance, when American millionaires lavished their money on interior decoration which decorators were willing to make of no more value than the point of vulgarity because of the profit it gave. It must be said to the credit of the decorators of the present day that they are doing what they can to make the

s understand the essentials of beauty, based on line and volume. America now possesses many of the best things and objects of art that once belonged to the old world, and this is likewise of fireplaces and over-mantels. Fireplaces have been taken bodily out of old English houses and placed in American homes, along with the paneling from walls and furniture of the period. Therefore, the development of the over-mantel as seen in this country must be traced in England from the earliest times, when it took form simply of a special arrangement of oak paneling, with the arms of the family carved thereon, to the succeeding use of massive stone carvings, again with the arms chiseled and polychromed, to the later delicacies of Chippendale, Sheraton and the Brothers. Fewer in numbers have been the variations of hooded over-mantels from that reach almost to the ceiling, and those from France. The revolt from over-ornamentation, however, has brought to the front in this country the simple scheme of hanging above the fireplace, whose lines are those of simplicity and beauty, a specially framed picture, a tapestry or other textile, such as a rich banner, or perhaps a plaque or shield. This falls in well with the scheme

to have simple rooms with fine proportions—a much harder thing for the architect and decorator to attain than the old lavish effects. Walls, neutral in themselves, are treated as backgrounds for objects of art.

This sort of over-mantel treatment is, in a way, a reversion to the simplicity of Elizabethan times, when, if a coat of arms were not used, the ornament most preferred was a painting, as likely as not a Dutch portrait.

FLOWER AND FRUIT PICTURES

Light and cheerful effects, in the very best taste, have come with the use of flower and fruit pictures, which give a fine air of distinction to a room and have the merit of fitting in with almost any scheme of furnishing. So great has been the demand of pictures of this class that thousands of them have been brought from Europe in the last few years. A long list of capable artists of the past headed perhaps by Van Huysum, left these ornamental flower and fruit pictures for American home builders, as well as hundreds of their nameless followers whose pictures are also full of beauty.

Some of the most ambitious over-mantel schemes, transplanted from England, were placed in Castle Gould, at Port Washington, L. I., by William Baumgarten & Co. In the dining-room is a stone hood on which is placed an old English coat of arms, poly-

chromed, and in the library is a coat of arms and crest carved in oak. Other notable effects by these galleries are the elaborate Henry II over-mantel in the home of Mrs. T. A. Sperry, at Cranford; a stone Renaissance effect with the bust of a Roman emperor in Mr. Daniel G. Reid's residence at Irvington and the tapestry panel effect in Mrs. Guthrie's house at Locust Valley.

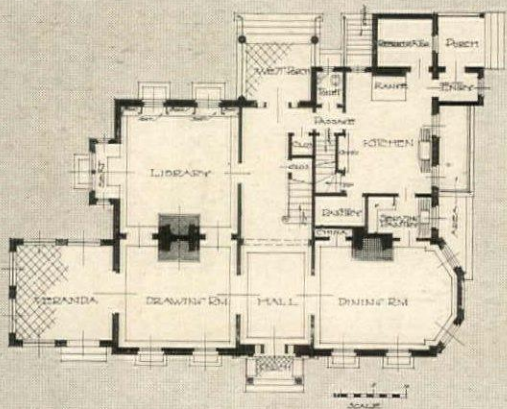
Warwick House inclines to the use of paintings, some tasteful examples being the over-mantels in the apartment of Mrs. P. H. Stewart, in New York, with an Italian effect, with a portrait, in the dining-room and the use of a Morland print in the living-room. Warwick House is doing a Georgian over-panel with a portrait in the Whitelaw Reid country house at White Plains.

Especially dainty is an over-mantel in the bedroom of Mrs. George F. Baker, Jr., also of New York, comprising a little English pastel portrait in a Venetian setting, planned by Karl Freund. To the same decorator is due a beautiful over-mantel effect in the reception-room of Mrs. I. J. Herszeg's New York house, consisting of two Old English embroidery pictures set with mirrors. Typical of the Georgian style is an over-mantel done by Angelica Kauffman for Rathfarnham Castle, Ireland, now on exhibition at Mr. Freund's galleries.



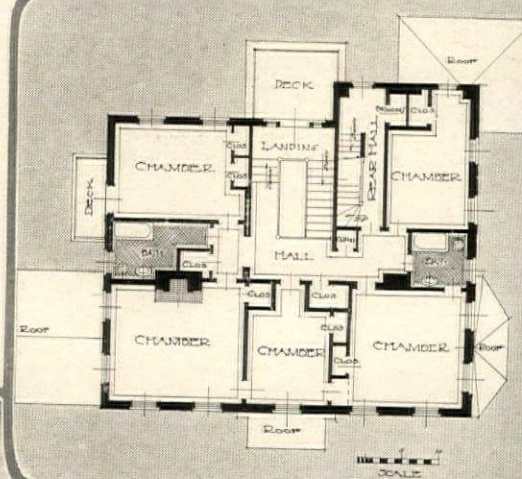
Lorraine Windsor, Decorator

Distinct value is given the fireplace in this drawing-room by the over-mantel painting. It centers interest in the spot. The room, which is in the residence of Charles Adams, Esq., of Chicago, is carried out in ivory satin hangings and upholstery and walnut and ivory antique furniture



The first floor plan shows a house-depth hall with library and drawing-room on one side and dining-room and service quarters on the other. The porches and verandas are paved with red quarry tile and the floors are white oak.

The design of the house is a combination of various typical New England Colonial elements modified. Houses much of this character are to be seen today in old Salem and Portsmouth. They date from about 1800. In the white panel blinds is also found a suggestion of Philadelphia Colonial influence. The scheme is simple and dignified.



On the second floor the chambers are arranged in suites around a large hall. There is a plentitude of light and ventilation from numerous windows. Large closet space is also available. The rear hall arrangement is original.



The architecture has "come through" to the interiors, which have been finished in Colonial style. The dignity of the woodwork in the dining-room is typical of the general architectural backgrounds of all the rooms of the house. Incidentally, this overmantel treatment is an excellent example of the proper arrangement for that part of a dining-room.

THE RESIDENCE OF
HENRY W. BLAKE, Esq.
AT ENGLEWOOD, N. J.
HAYS & HOADLEY, Architects

FRESH BERRIES — WITH CREAM

Wherein the Wares of the Howling Huckster and the Avaricious Fruit Store Man Achieve that Elusive Perfection Through the Medium of the Home Garden

ROBERT STELL

HERE is nothing particularly musical about it—that elongated howl of the huckster beneath your window. Indeed, his voice is distinctly harsh when unmelodious by the distance, and his enunciation atrocious. About all you can understand is that he has berries of some sort for sale, and that they are fresh; whether they are black-, straw- or rasp- is lost in the middle motive of his song in *B-Flat*. Yet, you are somewhat less than satisfied if those two relatively understandable words do not make you hungry.

Naturally! Good berries, regardless of variety, are an epicurean treat in themselves. Notice, please, that I specify "good"—the ordinary fruiterer's "Yes, madam, very fine today—and only thirty cents a box. How many will you take?" is sometimes susceptible of doubt. Sadly enough, the same is often true of the leather-lunged huckster's vociferations; so when you really hunger for the best obtainable, I can offer just one bit of conscientious advice:

"Grow them yourself."

Strawberries come in for their share of attention elsewhere in this issue, so the paragraphs which follow have to do merely with the so-called cane fruits. Blackberries, raspberries, currants and gooseberries—these four are the most popular sorts in this country, and perhaps the most easily grown. Granted proper selection, a suitable location and the right sort of care, there is no reason why you should not raise fruit which, because it ripens on the stem instead of in the basket, and because it comes to the table indubitably fresh, boasts a perfection that the market product cannot hope to attain.

There is no mystery or magic about the successful cane fruit garden. It should have a fair share of sunshine, good soil (a trench dug 3' deep and filled with a mixture of $\frac{2}{3}$ soil and $\frac{1}{3}$ well rotted manure is best), plenty of moisture, and a supporting trellis for the blacks and raspberries. Early spring is the time for setting out, and while the crop for the first year will be negligible, the second season should see an abundant yield.

Provided the strip selected for the small
(Continued on page 74)



Heavy bearing bushes can result in a crop when wisely selected and well cared for plants are used

Black raspberries should find a place in the small fruit border. Many prefer them to the red form



Blackberries, as well as raspberries, must have a supporting trellis to which the canes can be tied. A good one is made of stout wooden posts with connecting strands of heavy wire



Unlike the true cane fruits, currants bear only on mature and thoroughly ripened, hard wood

The best red raspberries, when grown at home, lack the somewhat pithy character of those in market





THE WRITING ON THE WALL



HERE is an odd rumor. Some good woman, intent on having her home in the best of taste, writes, "I hear that pictures are going out. Is this true?"

The vision this conjures up! You see the Louvre and the Metropolitan deserted—windows boarded up, huge padlocks on the doors, weeds growing in the driveway, a policeman asleep on the top step by the entrance. You see the Sergeants and the Henris drifting about the avenues rattling little tin cups, or going into the more lucrative business of laying bricks. You see the lovely Fragonards and Watteaux dumped on the garbage heaps of the city, along with the wornout discards of a day.

A mad vision? Granted. Yet if pictures were going out, the results might not be so different after all.

But pictures are not going out. The things genuinely essential to life never go out of fashion. They are integral elements, and the more the world becomes civilized the higher are they valued. To live without pictures would be as unthinkable as living without music, without rainbows, without good deeds and laughter. They are essential to life. They are essential to a home, which is the heart of life. They are as necessary to the complete decoration of the rooms of a home as chairs and tables.

EVEN before men thought of kindly deeds they took to drawing pictures on the walls and to fashioning the utensils of everyday life into things of beauty. An inherent craving was thereby satisfied. . . . In this year of grace, other cavemen fashion things of beauty and cover canvases with visions of terrible and lovely things. Paris and London and Berlin are holding their exhibits of "trench" art. The latter-day caveman must seek some satisfaction for his soul in the midst of murderous warfare.

The artist stands in much the same position. His work marks the transition between cave days and the present, cave habits and civilization. His expressions of beauty, grown more marvelous with the years, have become more treasured. The same folk who lament the loss of life in warfare also lament the loss of great works of art, because art has become essential to life and to destroy the creation of a master hand is almost akin to destroying ruthlessly the tender life of man.

Conceive the world without pictures and you conceive chaos. Pictures are stabilizers. They can be weighed against crime and passion and gross materialism and ugliness, and never be found wanting.

So then, when for some commercial purpose the rumor is spread abroad that pictures are going out, we might just as well throw all the good things of life into the discard. For when the appreciation of good pictures passes from us there will also pass the appreciation of honest workmanship, the sense of rhythm, the understanding of line and contour—expressions into which the vision of the artist crystallizes itself whether his medium be a chair, a vase or a painting.

ALL decoration is based first on the requirements of comfort and convenience. The chair must be comfortable to sit on—much more comfortable than the floor, else why chairs? It must be convenient—light enough to move about so that the furniture of the room can be grouped into centers of work and play—the window where we read and write, the hearth where we play and rest. The bare essentials of a room—a chair, a table, a bed—contribute to the bare essentials of physical existence.

But to stop decoration there would be as absurd as wearing no more clothes than are necessary to protect us against

the elements. The caveman had his bench and his ledge table. He also had his walls, and on them he scrawled his visions of mighty deeds and loveliness. The wall, then, that decides the final character of the

Read down through the history of architecture and you find that invariably the architecture "came through" to the interior walls. The transition from one historic period to another was a transition from one wall treatment to another. From the architecture that "came through" to the walls were taken the elements that decided the character of the furniture. Between the outer environment (which created the type of architecture) and the chairs fashioned by cunning workmen, stood the walls. They always been a writing on the wall that told men of the things which were to come to pass.

Against these walls we live and at these walls we look. They are backgrounds to life; they should be inspirations to life. What goes on them will stamp the individuality of the room. oftentimes the type of life lived in the room and the type of life of the age. The room in which life is active, busy, constantly stirring, requires a restful background to act as foil. When to-day life is of this character men must have walls that inspire them to peace and contentment. They must have walls on which they can read the hand-writing.

It is not enough that we have chairs to sit in and tables at. If these were all we needed life would be of a very low order indeed. We must be able to look upon walls that satisfy the demands of something more than the mere physical requirements of aching bone and tired muscle. We must have pictures on the

THE good woman who wanted to know if pictures were going out had wisdom in her question. Bad pictures, cheap pictures, futile pictures are going out. The survival of the fittest function even in art. There was also wisdom in her question because pictures no longer cover our walls with pictures. Our busy Americans demand the soothing foil of restful backgrounds whereon they may look for peace and beauty enshrined as it should be—the writing on the wall.

And in enshrining beauty as it should be lies the secret of modern decoration. Have only the necessary furniture in a room but have it of honest workmanship, of good line and good proportion. Place it so it will be convenient and comfortable and show to the best advantage. Let your walls meet the requirements of your life. Hang on them only such pictures as you will always content and happy and proud to live with. And place them so that they will give the best that is in them to those who look at them—their visions of light and shade for the things which life craves.

* * * * *

THE FRANTIC ASTRONOMER

At night, before I go to bed,
I look up at the sky:
I see the Dipper overhead
Hanging out to dry.

That Dipper, so isosceles,
Is hard at work all day:
To keep the Moon supplied with cheese
It churns the Milky Whey.

—Christopher Morley.

* * * * *

ARE pictures going out? Rather they are coming in. Americans need pictures. No nation under the sun needs them so desperately. No nation stands in greater need of pictures on its wall.

We read that the currents of art are turning toward America. The demands of war have made Continental owners sacrifice priceless works for what will fetch here. The ill wind has blown us this good opportunity. Slowly the center is shifting from the old world to the new. Americans will be able to look upon here at home—and even own—great works that hitherto they traveled thousands of miles to see.

Let us make the most of this opportunity. Let us cherish the works of master hands. Let us read the writing on the wall—the writing Americans can inscribe there themselves—the appreciation of pictures in the home.



Photograph by Julian A. Buckley

AN INTIMATE DOORYARD

An architect alone cannot make a house nor can Nature alone make one. Together they can create a work of great charm and beauty. Here the architect made the house—James T. Kelley's, at Philips Beach, Massachusetts—and Nature made the setting. That is how the intimate dooryard came to be. Kelley & Graves, architects

THE DELICATE BEAUTY OF CHINESE PORCELAINS

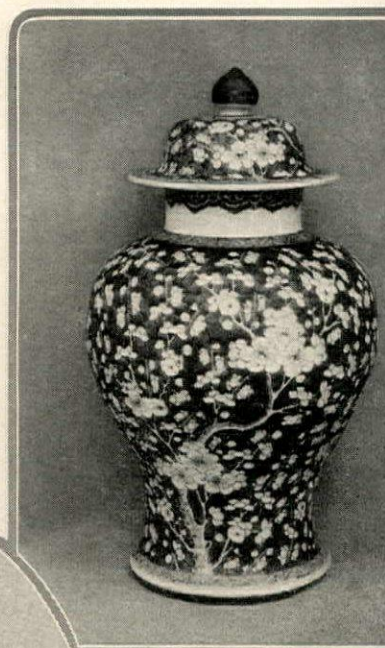
GARDNER TEALL

Although the modern reproductions of the old Chinese porcelains cannot compare in every detail to the originals, they are sufficiently faithful to satisfy the most fastidious decorator. The originals of the illustrations shown here are in the Altman Collection of the Metropolitan Museum of Art. The names of shops selling originals and reproductions will be furnished on application to The Information Service, 445 Fourth Avenue, New York City

With countenance of glazed hauteur and shining parti-colored garments—the goddess Kuan Yin, Ming Period, in porcelain



Proclaimed of the "rose family" by its dominant raspberry pink, this jar is of the Chi'en Lung Period



A temple jar of the Hsi Period shows the "Hawthorn" pattern of white blossoms on a dark background

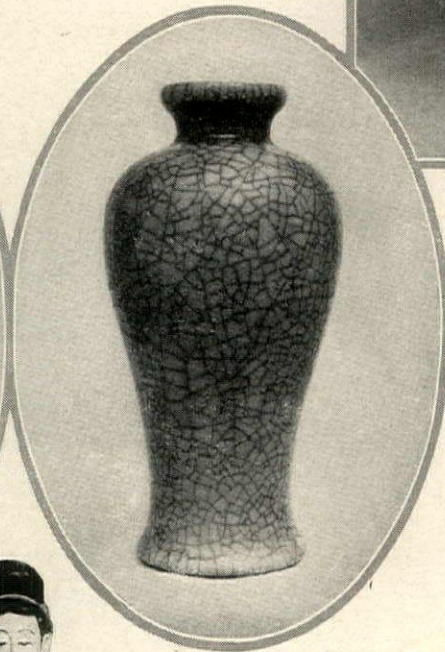
NOT to know something of Chinese porcelains, their history and their periods, is to be denied a pleasurable interest. The old porcelains of China are the ancestors of all the chinawares of the world, and never have the finest antique *fabriques* of the Celestial Kingdom been surpassed or even equaled in beauty and texture.

The potter's craft, as we all know, had its origin in the dim ages of the past. Even the discovery of true porcelain must be dated so far back that we have no authentic record of the era of its origin.

The literature of China ascribes the invention of true porcelain to some twenty-five hundred years before Christ, but we cannot be certain that the art of porcelain-making was known and practiced until, perhaps, after the 7th Century. While Chinese literature of the early periods abounds in references to porcelain, we have not a single authentic dated piece of the very early dynasties. It seems plau-



Characteristically Chinese in conception is this misty peachbloom vase, with pale shiny glaze. It is a product of the K'ang Hsi Period



An apple green crackle vase—but this may mean the color of succulent young leaves, pale emeralds, delicate jades. K'ang Hsi Period



sible to advance the theory that true porcelain was an invention or discovery of the Han Dynasty (206 B.C. to 220 A.D.). Okakura, an eminent Japanese connoisseur and authority, has suggested that the alchemists of the Han Dynasty came accidentally upon the discovery of the wonderful porcelain-glaze.

The literature of Chinese authors of the Han Dynasty is rich in references to porcelain. The poet Tu (803-852), for instance, says:

"The porcelain of the kilns is light yet strong. It rings with a low jangle and is famed throughout the city."

The fine white bowls surpass hoar frost and

The white bowls of Hsing-chou in the blue bowls of Yuen-chou in Kiang were highly esteemed and celebrated in song and story.

The Arabs and Chinese were conducting a flourishing trade during the 8th and 9th Centuries. To Soleyman, one of the Arabian traders who wrote an account of his journeyings, we owe the first mention of the



Paler than the lapis lazuli some of the Hawthorn jars display, these blues have a soft loveliness and graceful formality. K'ang Hsi Period



On a background of polished black—vivid green, white, yellow and grey. K'ang Hsi Period



Covered jars of the Yung Ching Period, the surface of each a springtime tapestry woven in brave colors on a background of tender green

na in the literature of the world outside the Empire. "They have," said he, "in a very fine clay with which they make vases which are as transparent as water is seen through them. These are made from clay."

At the time of the Emperor Shi Tsung (959) of the brief Posterior Chou Dynasty established at K'ai-feng-fu prior to the Sung Dynasty, an imperial rescript ordered porcelain "as blue as the sky, as thin as a mirror, as thin as paper and as hard as a musical stone of jade."

The porcelains of the times we have come to seem long since to have disappeared and the only knowledge of them we have today is through the literature of their contemporary writers.

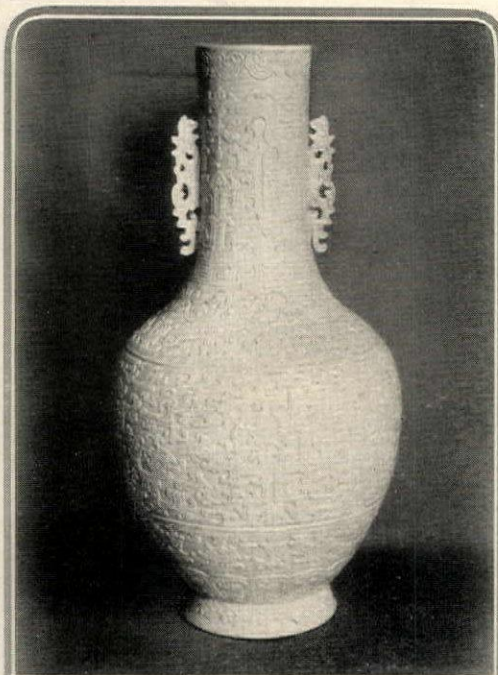
The Sung Dynasty (960-1280), the Yuan Dynasty (1280-1367) and the Ming Dynasty (1368-1643) open up to us surer knowledge of specimens of the time are available to us. The porcelains of the Sung and Yuan Dynasties should be classed together.

The ceramic production (*yao*) in the province of Honan in the town called Ju-chou-fu—a Sung Dynasty town therefore designated as *Ju-Yao*—is famous for the qualities of its blues. Chinese poets assure us rival the blossoms of the *Vitex incisa* shrub, the "Blue Flower" of the Chinese.

SUNG AND YUAN PORCELAINS

Imperial Ware of the Sung Dynasty is the *Kuan Yao* (two Chinese words meaning "official ceramic production"). There was the *Ko Yao* porcelain, the cracked ware; and the *Ting Yao*, a thin having a delicate resonant body. It seems to be the most commonly met among the wares of the Sung porcelain. The *Lung-ch'üan Yao* of the Sung is the famed Celadon Ware made in the province of Chekiang. The Celadon of this dynasty is distinguished by its non-sprout green color. The Celadon of later periods turn more either to sea-greens or to sea-green hues.

Chün yao, Dr. S. W. Bushell tells us in his introduction to the Catalogue of the Chinese Porcelains, is only loaned to the Metropolitan Museum "was a kind of faience made at Chou, now Yü-chou, in the province of Honan. The glazes were remarkable for brilliancy and for their manifold variety of color, especially the transmutation of colors, composed of flashing reds, passing through every intermediate shade of purple to blue, which have hardly been seen since. The great variety of glaze turned out here in former times may be gathered from a list of old Chün-chou sent down from the palace to be produced at the Imperial potteries at Chên-chên in the reign of Yung-chêng, the list comprising (1) rose crimson, (2) *Pyrus japonica* pink, (3) aubergine-purple, (4) plum color, (5) mule's mixed with horse's lung, (6) dark yellow-millet color, *mi-sê*, (7) blue, (8) furnace transmutations, *yao-flambés*. These were all reproduced in due course during the first half of the 18th Century on porcelain, and the white body was in marked contrast, as told, with the sandy, ill-leveled glaze of the original pieces. The only fine porcelain ware of the Sung



This vase of dead silvery white personifies opaqueness, suggestive of white taffy. Ch'ien Lung Period



Delicate as the tones of an Oriental print, this design overlies a milky blue background. Yung Ching Period



Blue and white—a fuzzy Chinese dog and a bird chat on this straight-shouldered jar. Ch'ien Lung Period

Dynasty which requires a word of notice is the *Chien Yao*, produced in the province of Fuhkien, where the black enameled cups with spreading sides, so highly appreciated for the tea ceremonial of the time, were made. The lustrous black coat of these cups was speckled and dappled all over with spots of silvery white, simulating the fur of a hare or the breast of a gray partridge, hence the names of 'hare's-fur cups,' and 'partridge cups' given them by connoisseurs at the present time.

"These little cups were valued also by the Japanese at immense prices, and were mounted by them with silver rims and cunningly pieced together when broken with gold lacquer."

THE COBALT BLUES OF MING

We now come to the Ming Dynasty (1368-1643), and in the reign of Wan-li (1573-1620) the art of making and decorating porcelain had so advanced that native contemporaries were fond of declaring that there was nothing that could not be made of the porcelain. It has been said of true porcelains of the Ming period that they look their age and that they never fail to disclose their period to the initiated eye. The cobalt blues came into favor in this period, and it is also the time of the famed "Mohammedan blue." European and American collectors have given a great deal of attention to the Blue-and-White porcelains that came in with the close of the Ming Dynasty. It was between 1662 and 1722, however, that the very flower of the Blue-and-White porcelain was produced. This marks the reign of K'ang Hsi.

The K'ang Hsi Period was the culminating one of Chinese ceramic art. Says Bushell (in "Chinese Art"): "The brilliant renaissance of the art which distinguishes the reign of K'ang Hsi is shown in every class; in the single-colored glazes, *la qualité maitresse de la céramique*; in the painted decorations of the *grand feu*, of the jewel-like enamels of the muffle-kiln, and of their manifold combinations; in the pulsating vigor of every shade of blue in the inimitable 'blue and white.' Porcelains of the *famille verte* class pervade the period, while those of the *famille rose* class may be said to have ushered in its close. The greens that give the porcelains of the *famille verte* and the *famille rose* classes their names are indeed gem-like in their beauty. Precious, too, to the collector are the Blue-and-White or the Black Hawthorn jars of the period. Hawthorn is a misnomer, for the prunus blossom and not the hawthorn blossom furnishes the motif of the decoration.

"These charming jars, originally intended to hold New Year's gifts of fragrant tea, are painted with a floral symbolical design appropriate to the season. The prunus flowers are bursting forth in the warmth of returning spring, while the winter's ice seen through their meshes is just melting. Other jars are strewn with single prunus blossoms and buds reserved in white on a pulsating blue ground, cross-hatched with lines of darker blue to represent crackling ice."

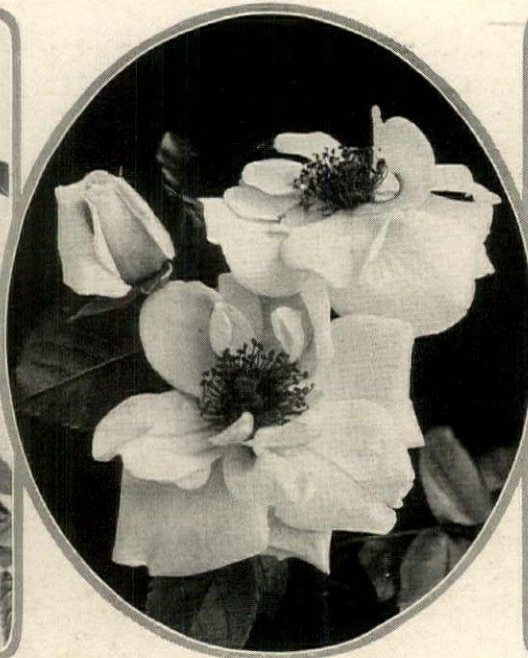
GLAZE AND MARKS

The master-quality of fine porcelain is its glaze and the glazes of old Chinese porcelains have never been surpassed. The

(Continued on page 68)



The rugosas stand first in the list of good hedge roses. They reach a height of 6' to 9' and their foliage is especially thick and attractive



Silver Moon, a superb hardy climber, is white with yellowish stamens. Its delicately fragrant blossoms, 4" in diameter, are borne on strong stems 12" to 18" long



Over the outside of the moss rose buds a curious moss-like covering which adds to their attractiveness. Above is Glendy Mosses

THE EVER ESSENTIAL ROSE

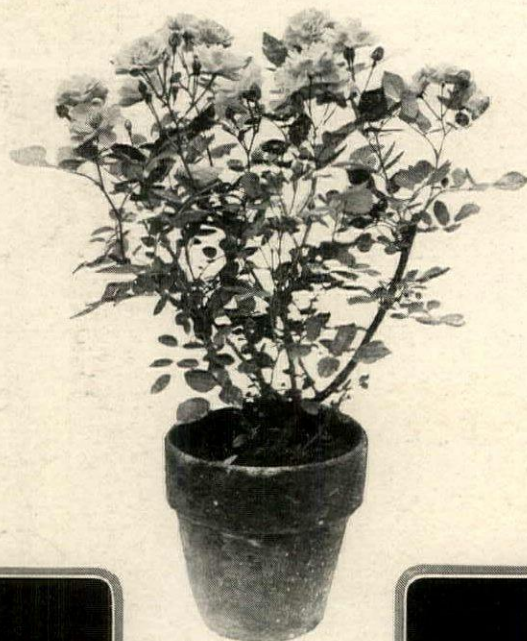
Is More Worth While Today than Ever Before
—New Types and Varieties and How to Care for Them

F. F. ROCKWELL

IT is unnecessary to enter any special plea for the rose. Since the dawn of romance and poetry hers has been the first place, not only in literature, in lore, lyric and lay, but in popular fancy and the affection of many as well.

In ancient Greece the rose was sacred to Aphrodite—who, by the way, was a feminist of parts, being the Goddess of Gardens along with her many other social, religious and irreligious activities. And the rose has been the most international of all flowers. It has graced the songs of the immortals in all climes. At the hand of the tent-maker in a Persian garden at Naishapur, or where Sappho touched her lyric lyre, or some Gaelic bard entwined it in his melodies, the rose has lent itself to the spirit of a people.

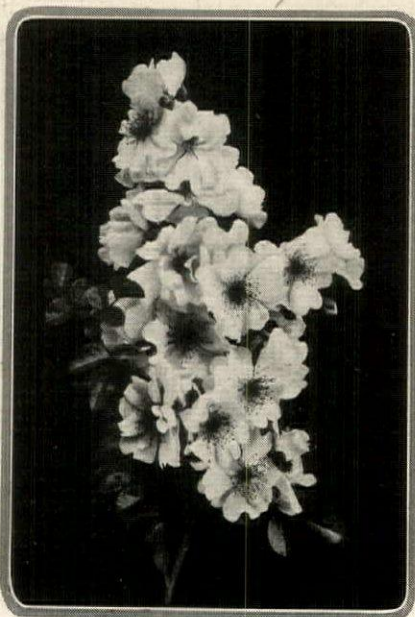
Ranging from the heavily scented, densely folded petals of deep yellow or dark crimson—gold and blood!—to the frail but inexpressibly charming beauty of the most delicately flushed or purest white single form, it is small wonder that the appeal of the rose is universal; that in its infinite variety there is a flower not only for every person, but for every mood; and that while, in popular enthusiasm, other flowers may come and go, the rose



The baby ramblers can be grown in pots or outdoors

One of the finest of the Wichuriana hybrids—Milky Way

Ophelia is a splendid hybrid tea, salmon-flesh in color



loses not in favor, but goes on.

Ancient as the rose is, however, it is no exaggeration to say that within the last two decades more has been developed and perfect it, and made it more universally available, than in all the previous centuries. We have not yet reached the end. In fact, it is the well considered opinion of many of the best informed rose growers that at present we are only at the beginning of a new era in the development of this wonderful flower, and that the next few years will see even more remarkable achievements than ever before.

Among garden roses, while we have many forms and colors which leave little to be desired, there is much room for improvement in hardiness, in disease resistance, in good growth of foliage, and in color.

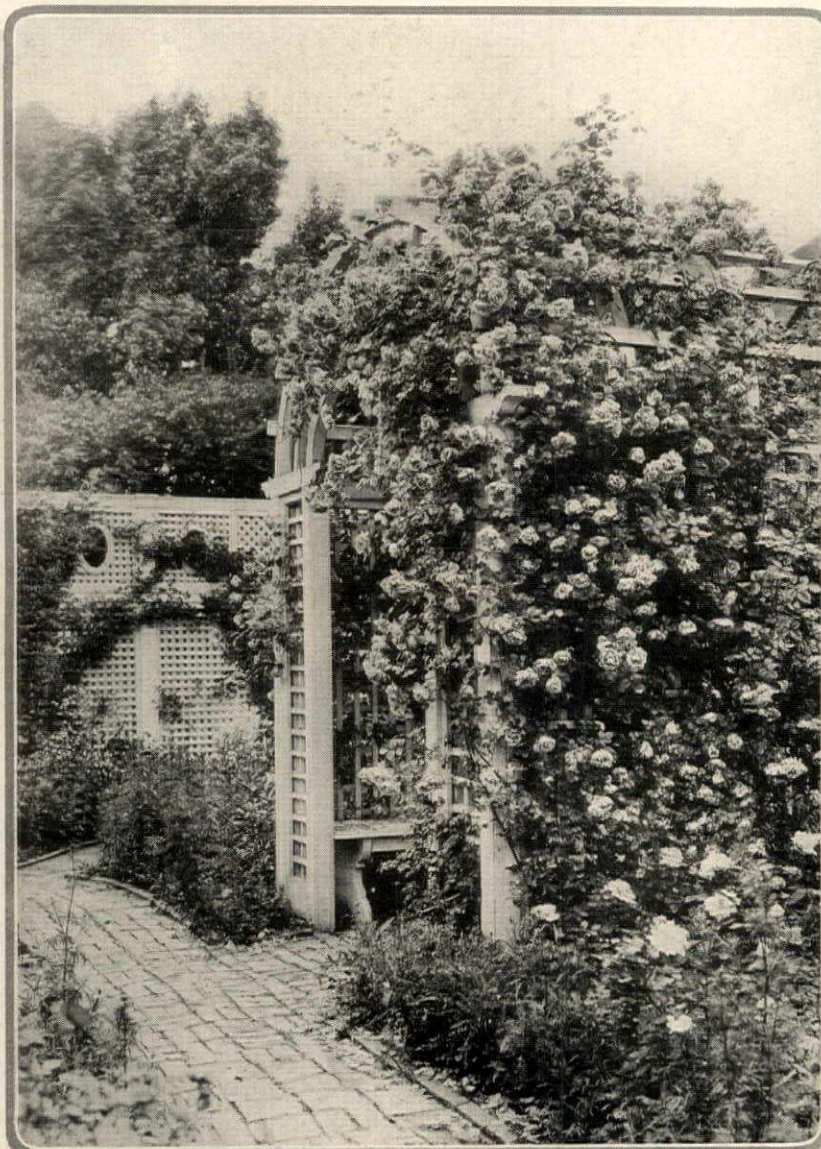
of flower
Color; frag
flower (size
fragrance,
and streng
stem); ever
ing tendency
acter of f
and hardine
these cha
istics have
considered
variety, so e
layman will
see that it is
mendous ta
the hybrid
breed a flow
will score
where near
dred on all o
points. Whi
breeding has

must continue to be, by a labor of love, never- less more science and sys- are being brought to it year, and these things eginning to tell.

THE OPPORTUNITY

t he who would have —and who would not?— not wait for that rose nnum which some en- asts dream of. With the now available, they may ad under almost all con- ns, and from one end of eason to the other—every around the year, in fact, u have some greenhouse e which may be devoted em. The range of kind type," as distinguished varieties, is not even yet nized as widely as it d be; but information in direction is fast becom- common property. One now have roses, if the s are carefully selected, in st any place where there om for a plant to grow t the grounds—or, if put in a window box. June ll the "month of roses;" now, for every thousand ers that morning brings evening takes away, on

beds where a mass of color sirable, as below, the baby rambblers are the thing



the morrow we can have, if not a thousand more, at least a goodly number.

FACTORS OF SUCCESS

No matter how many good roses there may be available, however, the price of success with roses must be a careful study of their requirements and eternal vigilance in seeing that they are supplied. To avoid plunging at once into a sea of detail in which the beginner might feel hopelessly lost, I have attempted to classify here, under four general headings which will be easily understood, all of the various things to which attention must be given.

First, the selection of suitable types, varieties and plants for such conditions as exist in any particular case.

Second, the providing of conditions which will be congenial and stimulating to roses in general and to the kind selected in particular.

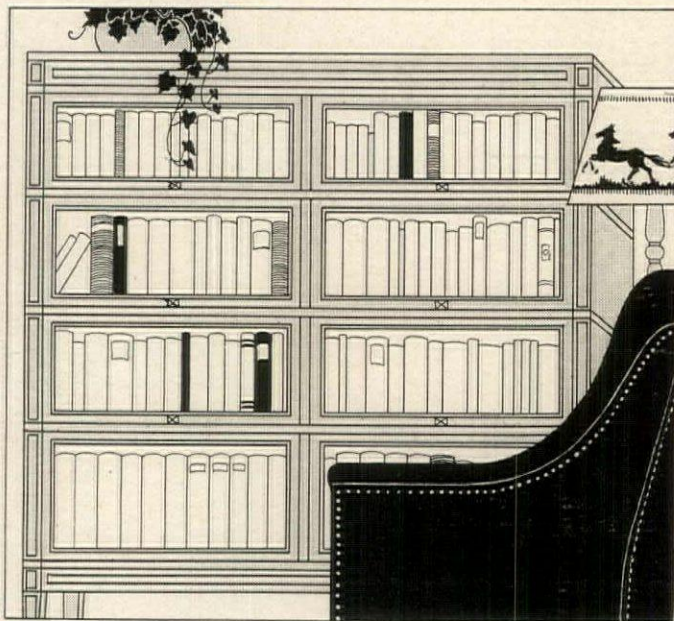
Third, culture: such practice in the way of planting, cultivating, manuring, supplying moisture, fertilizing and pruning as experience has shown to be best.

(Continued on page 84)

Do not forget the climbing American Beauty if you have an arbor to be covered

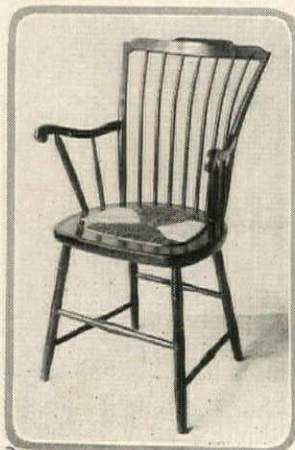


MEN'S FURNITURE FOR MEN'S ROOM



Assembled above is a group of excellent furniture for a man's study or library. The refectory table is of walnut, 30" by 78", \$77.50. Long bench, also of walnut, 15" by 72" by 17" high, \$35. At back is a commodious oak Welsh dresser, Jacobean design, 20" by 66" by 74" high, \$140. To right of table is a comfortable upholstered chair covered in denim, \$90. It can be upholstered in any other fabric with relatively more cost. The small bench by it is walnut, 14" by 22" by 14" high, perfect for a smoking stand, \$24.50. The chair to left of table, 34" high, \$27.50. The lamp is of Jacobean design executed in carved oak, 29" high, containing two lights, \$31. Simple shade of shirred silk 26" wide, \$24.

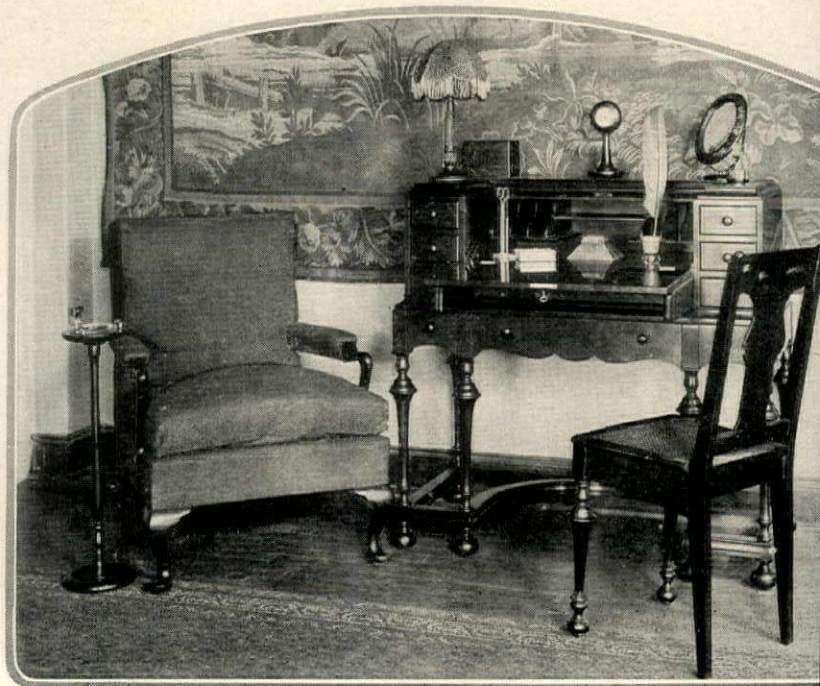
We believe in giving Father a chance, and this furniture has been especially selected for him. It can be purchased through The Shopping Service or we will supply the names of the shops when you write to the Service at 445 Fourth Avenue, New York City.



At last—a sectional bookcase suitable for the living-room! This Sheraton design in mahogany with ivory lines, \$104. In dull finish without ivory, \$94

Windsor chairs invariably please men, and this type is excellent for its strength and lightness. It may be had for \$9.75

To right, upholstered Queen Anne armchair in denim, \$58. William and Mary desk of mahogany, 22" by 43", \$95. Mahogany desk chair, \$14. Smoking stand with glass ash receiver, 26" high, \$2. Lamp on desk, of gold and black lacquer, \$6.50. Black and gold-damask shade, \$4



WHAT A FIFTY-FOOT GARDEN WILL GROW

Ample Returns in Fruit and Vegetables Achieved
by System and Careful Distribution of Space

MARY RANKIN THOMAS

FIFTY-FOOT garden can be made to supply the table of the average family of five persons with fresh vegetables all the year round. If supplemented by a three-sash hotbed it will furnish things several weeks in advance of season. If surplus vegetables are sold at home, the garden's products may be enjoyed during the entire year.

There are two ways of planting a garden to give the best results, depending upon what the owner wants it to do for him.

One may make a permanent garden which will yield some of the best fruits, smaller trees and perennial vegetables, besides the ordinary "truck," or he may plant only the customary annual vegetables. Either method is good, while, though, of course, where the home is permanent, a permanent garden is better, not only for its greater variety, but also because it is less expensive in the long run. But where a garden is temporarily needed, it would be better to utilize the entire space for the short time available. If there should happen to be too much for family consumption, during the summer, none need be sold, for canning may be done at home so cheaply, and some canned vegetables are so good, that a supply of them would far towards reduce the winter living expenses of the family.

The suggestions in this article are for a permanent garden, but only changes to be made for temporary

changes would be the substitution of Irish sweet potatoes for the fruit, rhubarb and asparagus, with the space given to the vegetables usually planted, the quantities being governed by tastes. Potatoes are omitted from a permanent garden because they require cultivation, which is deeper than can be given with the wheel hoe.

EXPENSE AND CARE

The expense of the garden may be small, the cost depending upon whether the work is done by a hired man or by members of the family. One plan is for the man of the house and his wife to have the responsibility for the garden, with the help of the children. If he happens to be a lover of nature which makes of him

a born gardener, he will not pass on to a paid worker the pleasure that is to be found in digging the ground, in planting, in watching the little green things come up, grow, blossom, and mature. He will keep this happiness for himself and his family, especially for the children. It is well to have a man spread a two-horse load of manure over the ground and then plow it in deeply, but all other work may be done by the householders in the early mornings and late afternoons; for a little, regularly done

reliable Cuthbert or the new, ever-bearing St. Regis. Cuthberts are larger, but the St. Regis bears the first season after planting and continues to fruit until frost.

THE FRUIT TREES

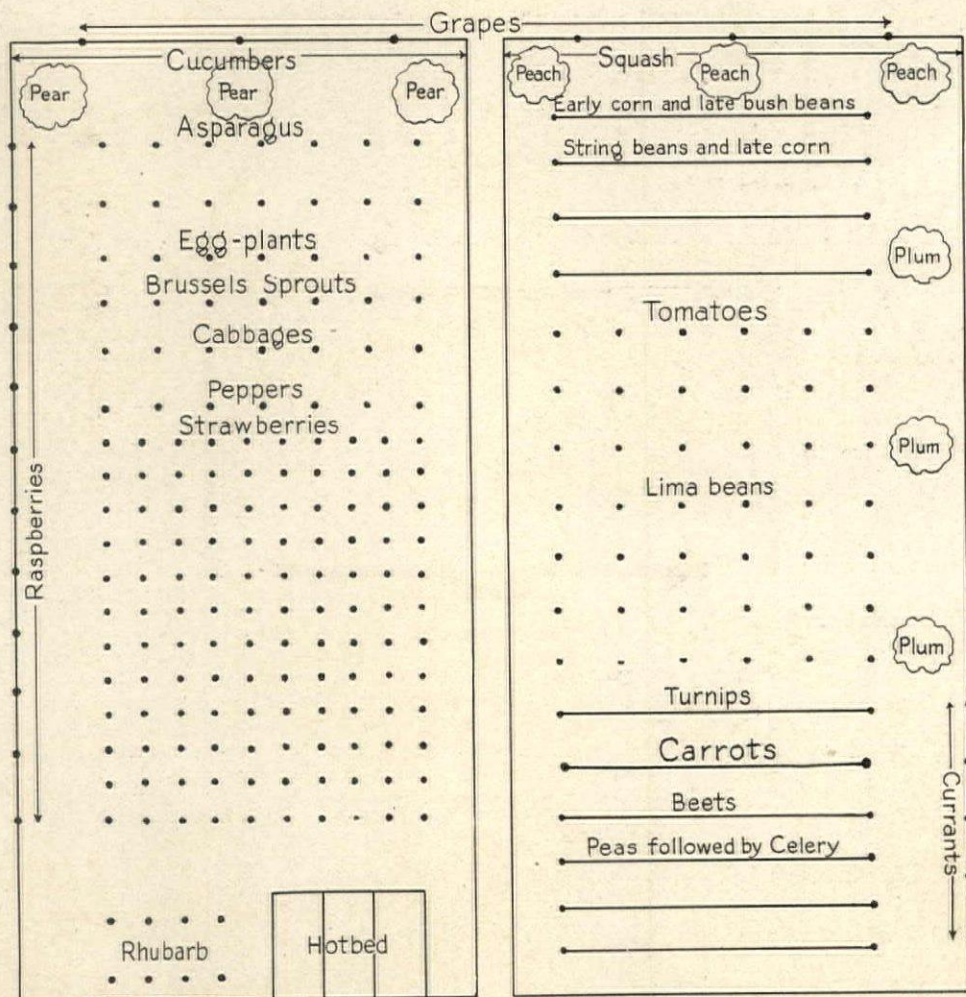
Three feet from the back fence, on one side, place three Bartlett pear trees, or two Bartletts and one Duchess, 10' apart. Six grapevines are trained over the back fence, three Concord (black) on one side, three Niagara (white) on the other, 8' apart. On

the opposite half of the garden, 3' from the back fence and on a line with the pear trees across the walk, place three peach trees, 10' apart, one Mountain Rose (early), one Elberta (mid-season), and one Late Crawford. Along the lower end of the fence on that side of the garden, place three plum trees, 10' apart, one Green Gage, one Abundance, one Burbank. Between the plums and the upper boundary line of the garden, set out five Victoria currant bushes, 3' apart. For a year or so, while the fruit trees are small, a row of early vegetables may be planted in between, such as lettuce, radishes, peas, or beans. The fruit may be planted in either the fall or spring, in October, March or April.

In the spring the first thing to do is to make the hotbed, which we will locate, in a space 6' x 9', next to the central walk and on a line nearest the dwelling house. This hotbed of three sash will give all the seedlings for transplanting, besides early

and late lettuce and radishes for the table. The space should be dug out 18" deep and a little larger than the frame of boards which is built around it, 2' high at the upper side, 1' lower at the opposite side. Good stable manure is now put in to a depth of 18", then a 6" layer of good soil mixed with sand, half and half. The sash is put on and the bed allowed to heat. The temperature will rise rapidly for a few days, then subside. When it reaches 90° the hotbed may be planted. The best way to do this is to take a piece of board, 2' or 3' long, and make shallow rows by pressing an edge of the board into the soft earth, spacing the rows 6" apart. Now sow the tiny seeds and with the hand or trowel cover them lightly; then firm the soil with

(Continued on page 66)



Intensive gardening as mapped out on the plan above will bring remarkable returns if proper attention is given to cultivation. The first year's yield of vegetables should be worth \$30 to \$40. The outlay for the first year should be \$25

every day, gives much better results than a day's work once or twice a week.

Vegetables should be planted in long rows running north and south, if possible, since they will then receive the maximum amount of sunshine and be easily cultivated with the indispensable wheel hoe. The old-fashioned beds are things of the past.

We will assume the garden to be a square 50' x 50', with a 2' walk down the middle. The permanent features, which will be taken up first, are the hotbed, rhubarb and asparagus beds, and fruit. Place the hotbed and plant the rhubarb across one side of the garden nearest the house, according to directions farther on in this article, and set out along the side fence, from the house to the back fence, and 2' from it, a row of twelve raspberries, 3' apart, either the old

THE GROUP IN FURNITURE ARRANGEMENT

Showing How Centers of Interest, Work and Play are Created and Space is Conserved

H. D. EBERLEIN and ABBOTT McCLURE



The group around this fireplace, as shown here and in the view opposite, is a work, rest and play center, the furniture being grouped according to its uses



The arrangement on axis is regular and balanced, giving the room the dignity of the tapestries, the fireplace hanging and the furniture, and conserving space

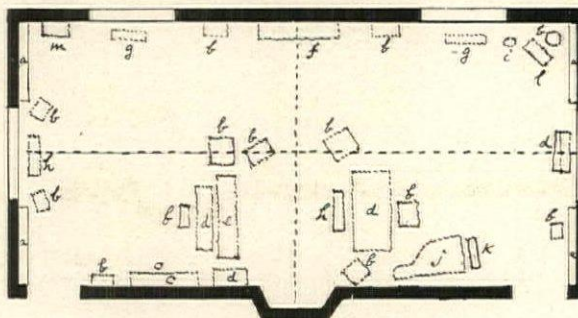
IT is just as natural for furniture to fall into groups as it is for human beings. The primary essentials are, in each case, that the groups be composed of the right units and that they be in the right place in the room.

Since groups there will necessarily be either well or ill composed, either well or ill placed, it behooves us to consider the principles of their successful formation and management, for success in the composing and placing of groups is not the result of chance but of the application of fundamental rules.

A furniture group is a number of pieces of furniture brought together either because of some affinity of function that creates a bond of relationship between them or because of some obvious fitness in creating an agreeable decorative composition.

As an example of the former might be mentioned a tea table with several chairs and a "curate" or plate stand; or, before a fireplace, a sofa with small tables at the ends or a long table in back to hold reading lamps, books and magazines.

As a familiar example of the second sort might be named a console cabinet or table with a mirror hung on the wall above it,



I As it stands, the grouping in the room above is on axes. A—bookcase, B—chair, C—chest, D—table, E—sofa, F—credenza, G—fernbox, H—low backless form, I—stool, J—piano, K—piano bench, L—secretary, M—console

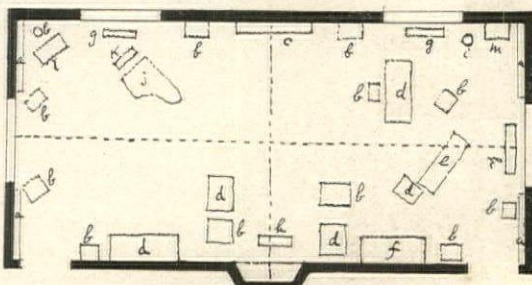


The grouping against the wall opposite the fireplace consists of a credenza backed by a large tapestry and flanked by arm chairs

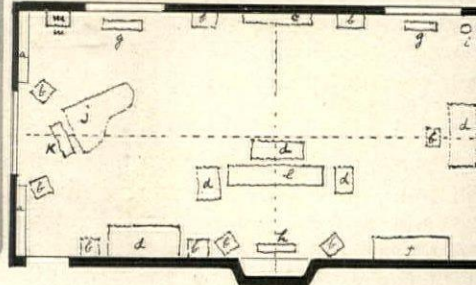
sconces flanking the mirror and flanking the console cabinet.

The group need not be numerous. Indeed, it may consist of one piece. This sounds like an Eberleinism! The fact is that one finds a piece of furniture, as, for instance, a coral red lacquer cabinet carved stand, that is so pronounced and concentrated in the emphasis of its characteristics that its force would be impaired by the proximity of other pieces. Of such a piece is fully capable of supplying all the decorative interest that one side of a room can stand without muddling effect and bewildering the eye. It properly be considered, therefore, a piece of one, which it is potentially. Nor such a piece be large of bulk to entitle to classification by itself.

The units or individual members which groups are formed may be classified in the first place, as "wall furniture," as cabinets, cupboards, tall secretaries, cases, mirrors and similar objects which from the nature of their shape, structure or size, must necessarily be placed against a wall. In the second place there is classification of "floor furniture," the



II Study the key above and the arrangement of this room in another manner on axis. Restful floor spaces are still preserved



III A third arrangement of this room gives more accustomed treatment of davenport, the fire, tables at ends and long table be

as, all the many different sorts of
es, chairs and the like which may
er be set against the wall or
ught out in the room.

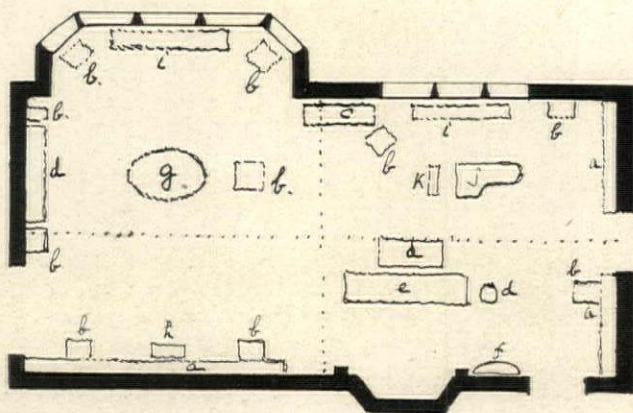
n the same manner groups are to
classified as "wall groups" and "floor
ups." A good example of the
mer would be a long table with
n-backed chairs at each end; or a
g chest above which is hung a large
ure of decorative character or a
nese screen. A "floor group" might
sist of a long sofa facing the fire-
ce, backed by a table of the same
rth with a bench or form. This
of grouping naturally admits of
e latitude of arrangement.

GROUP FORMATION

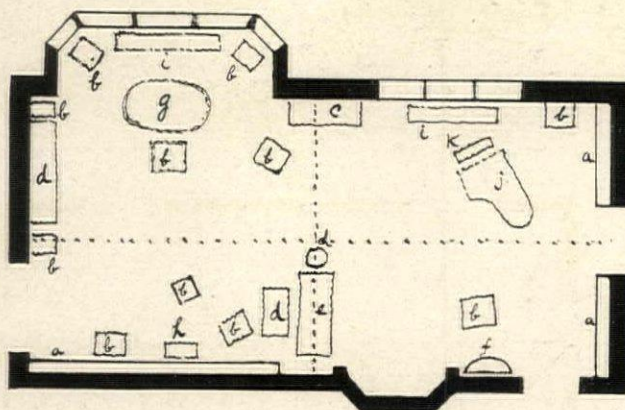
Ordinarily the larger and more im-
tant pieces of furniture will be-
ne the natural centers about which
sidiary pieces will be grouped. If
larger things are well arranged,
smaller things, the mobiliary satel-
s one might almost call them, will
themselves fall into fitting posi-
ns. The composition of each group
st in itself be restrained, coherent
logical. In forming these groups
s exceedingly important to divest
s self of preconceived notions
t a certain object or a certain kind
object of necessity must enter into
composition of a room, or occupy
ertain place in a room. One must
e up the task with a clear, unbiased
nd, being guided only by the imme-
te circumstances, unless one is pre-
ed to put aside everything original
distinctive and to consent to plod
g in a groove of sand-papered con-
tionality. An obsession in favor of
nvention has spoiled more than one
ing-room by insistently putting the
ing table in the middle, regardless

the shape and general
dition of the room,
hout realizing that
physical center is not
ecessarily the center so
as convenience and
erest are concerned.
e of the illustrations
ws an English dining-
m whose owners
ddily recognized con-
ons imposed by the
hitecture and made a
roughly satisfactory
uping of the dining
le and its attendant
irs in a bow window
ning on a delightful
yden. They had an
mirable chance to spoil
whole effect by doing
conventional thing
putting the table in
middle of the room.

It is easy to deduce the
nly implied principle
t a furniture group
uld be not merely a
al point of visual in-
est, but a focal point
practical utility and
venience as well. No
ter how fine the fur-
ure, there is no use in
playing its charms un-



IV Above is shown an irregular shaped living-room in which it is impossible to arrange the furniture on the architectural axes. In the diagram there has been created artificial axes and the furniture is arranged on them effectively. A—bookcase, B—chair, C—chest, D—table, E—sofa, F—console, H—tea stand, I—settee, J—piano, K—piano bench



V Or again, the furniture can be grouped off axis, in fact, no attempt made either to create or observe an axis. The result is much better and infinitely preferable

less its system of grouping contem-
plates comfort and utility first of all.
Comfort and utility must be the
ultimate tests of the value of the
grouping. Furniture that cannot be
conveniently used on account of its
placing or furniture that obstructs
progress through a room is ill grouped.
No decorative canon is valid if it is
not based on utility—the fundamental
purpose of all furniture.

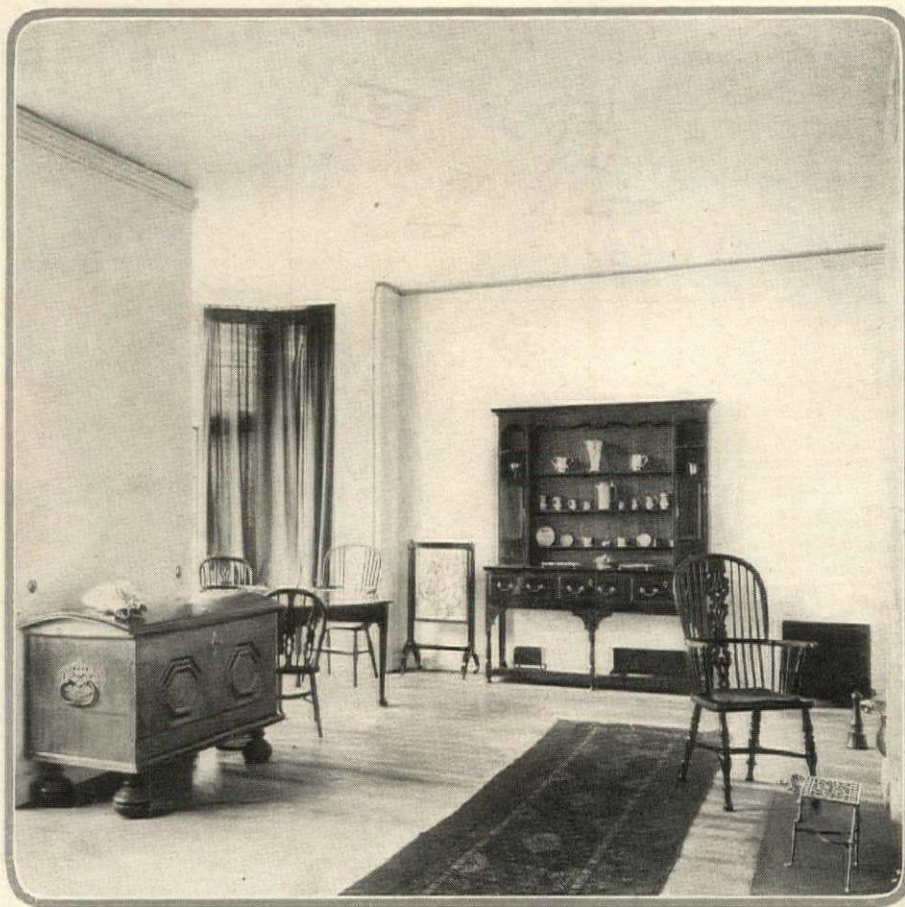
In starting out to arrange the furni-
ture of a room and determine the
location of the groups of which the
composition is to consist, the first step
is to make a careful survey of the
architectural conditions which are to
supply the background. At this point
it will be a great aid to clear planning,
as well as a saving of experimental
effort, to make an accurate floor plan
of the room, or better still a set of
duplicate blue prints of the plan, indi-
cating the position and measurements
to scale of all door, window and fire-
place openings, the projection of the
chimney jambs and the position of all
lighting fixtures and attachments. On
this may be made several trial diag-
rams, working out the various group-
ing possibilities and deciding which
best meets the requirements. This
furniture diagram will be of value in
indicating the architectural axes of the
room, whether it is ultimately decided
to arrange the groups on axis, in a
more or less symmetrical composition,
or off axis from the room.

PLACING THE LARGE PIECES

The next step after completing the
survey of architectural features is to
decide upon the logical placing of the
larger and more important pieces of
furniture, the nuclei of the group that
will be completed later. And in this

process we naturally dis-
pose of the "wall furni-
ture" first. In so doing,
the character of the
pieces themselves will, to
a certain extent, deter-
mine their placement.
For example, a long 16th
Century Italian table will
naturally have the long-
est unbroken wall space
assigned to it. In most
conditions, it would be a
bad mistake to set such
a piece in the space be-
tween doors or windows
where it would barely fit
it, leaving no room for
chairs or other flanking
objects. Such a piece de-
mands sufficient space in
which to dominate its
own group. Moreover,
the treatment of the wall
space above it must be
accommodated to the ex-
isting conditions.

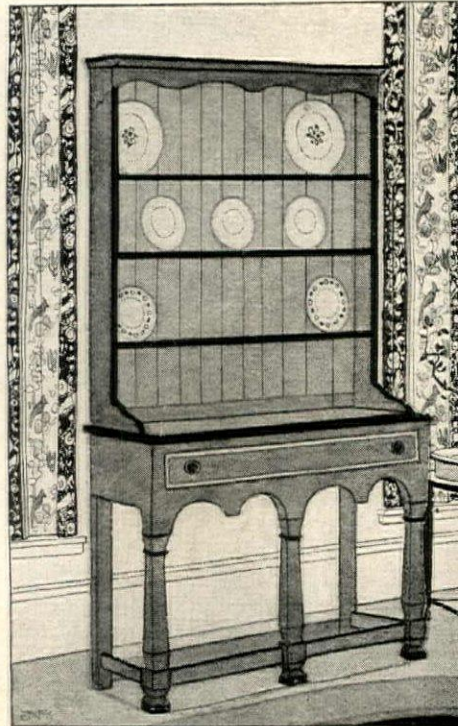
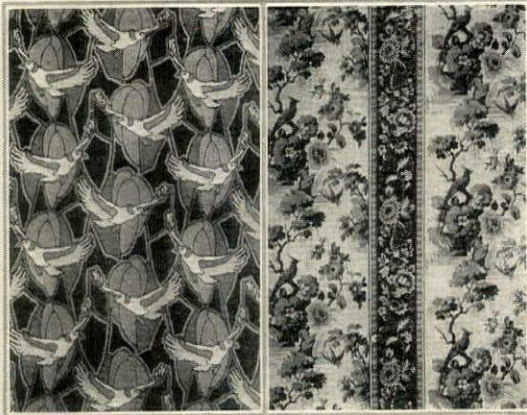
In this matter of the
relation between wall
adornment and furniture
grouping it may be ob-
served that oftentimes a
certain place has to be
assigned to a certain
(Continued on page 90)



Finally, the room itself as it is arranged without an axis. In the bow window is a dining corner. The rest of the room serves for living-purposes



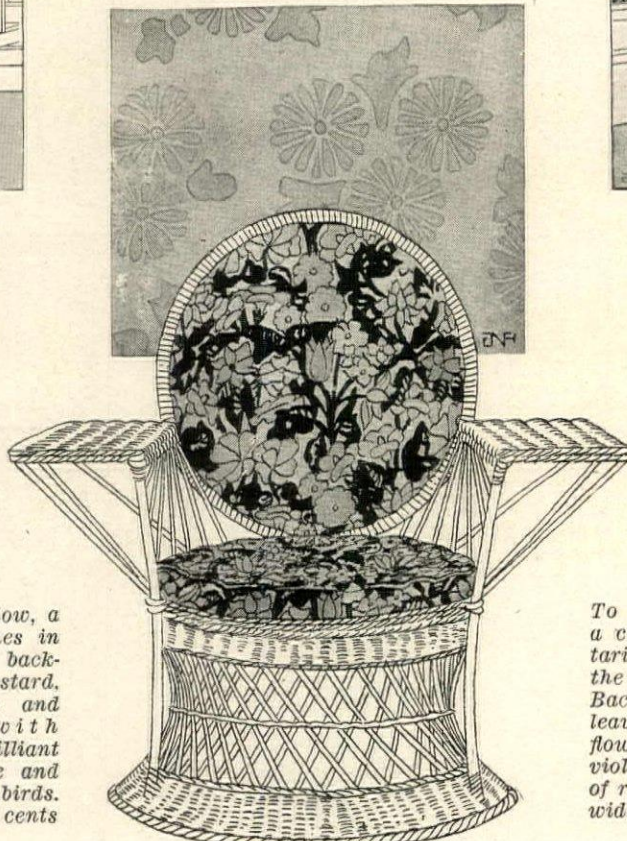
There's a breath of the sea and wind-swept dunes in this gull cretonne for the seashore house. It comes with black background, old blue and brown designs with birds in yellow, white and mulberry, or a putty background with taupe and blue motifs and yellow, red and tan gulls. 36" wide, 59 cents a yard



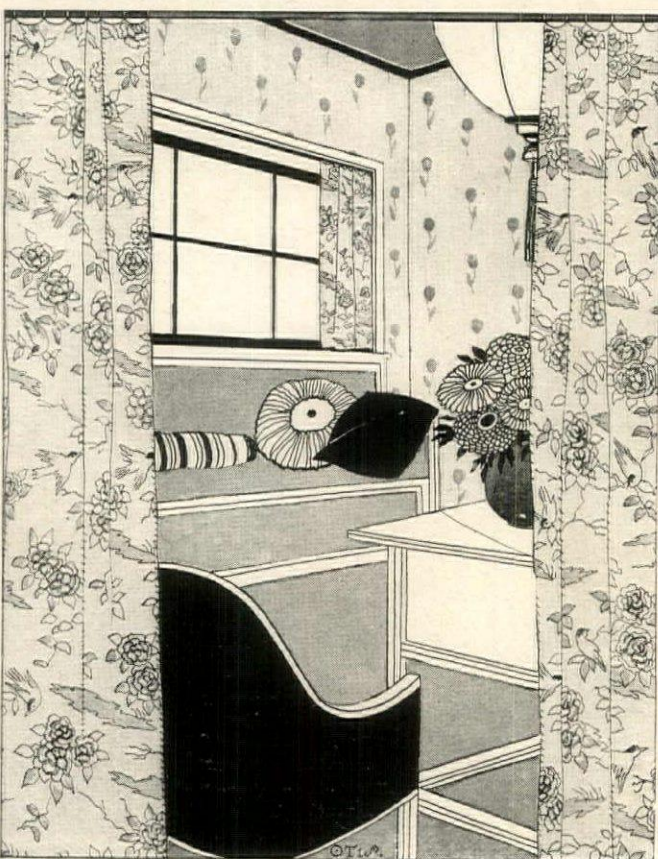
Quite European in character is the quail bird design going so well with English furniture. On a black stripe figures in greys, brown and putty. The cream stripe carries cool green foliage, mauve and mulberry flowers and green and brown crimson-breasted birds. 36" wide, 59 cents a yard



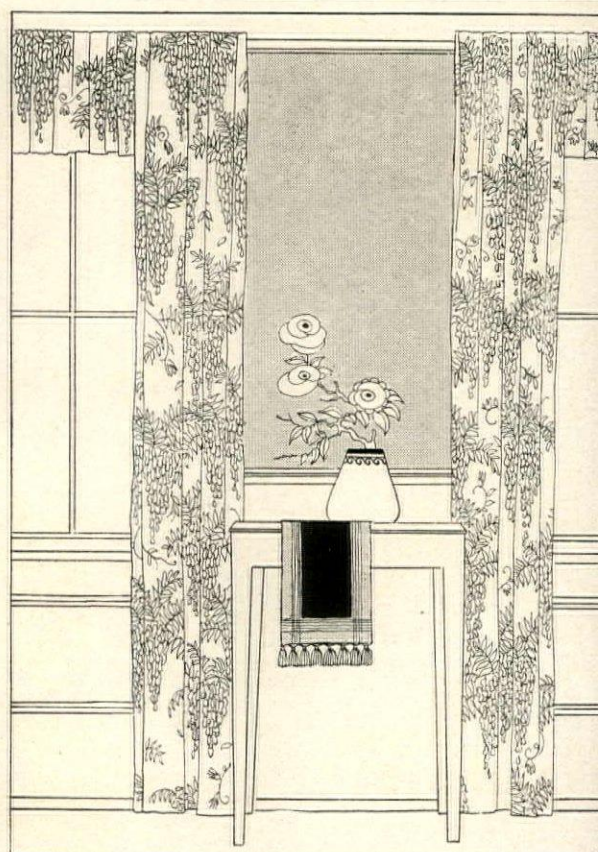
To left and below, a linen that comes in a variety of backgrounds — mustard, black, white and natural linen with rose flowers, brilliant green foliage and bright colored birds. 36" wide, 50 cents a yard



To right and below, a cotton taffeta wisteria, charming for the country house. Background is white, leaves cool green and flowers in natural violet or soft shades of rose. It comes 36" wide and is priced at 48 cents



For the living-room, sun parlor or porch comes a gay cotton taffeta shown above. It is procurable in many color combinations, the best having a white background with black foliage and mustard, rose and blue flowers; another with mustard, mauve and blue flowers. 48 cents



COLOR TENDENCIES

SPRING FABRICS

In spite of unsettled conditions, the new linens and cretonnes are unparalleled for their variety of pattern and beauty of color. Nine of the latest fabrics selected especially for HOUSE & GARDEN readers are shown here with suggestions for their use. Names of these fabrics will be gladly furnished or purchases can be made by writing to The Shopping Service, HOUSE & GARDEN, 445 Fourth Avenue, New York City

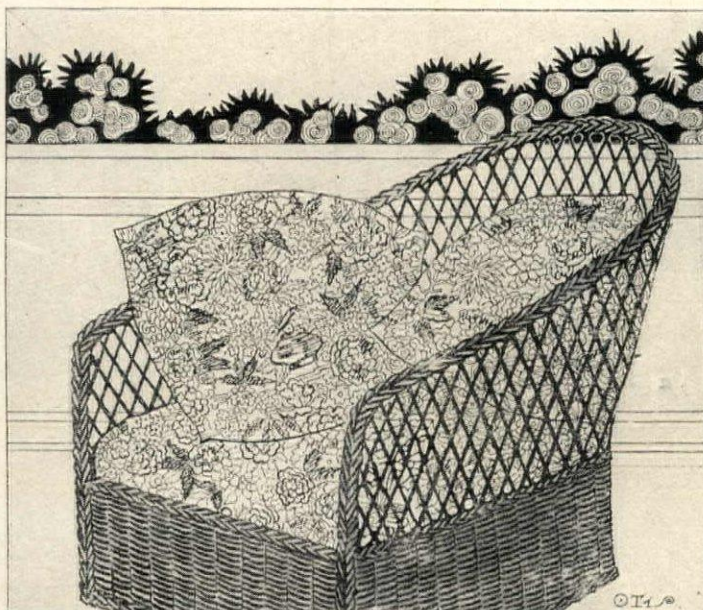
WE are recovering from Poiret—Heaven be praised!

A few years back the color cacophonies of Poiret and Hoffman gave the world a shock. But we took them into our homes, nevertheless, even though they weren't living. The latest line of fabrics seems to be mellowing. Colors are less startling though no less brilliant; they are blended. The designs are more natural and, on the whole, the fabrics are more comfortable to live with than of yore.

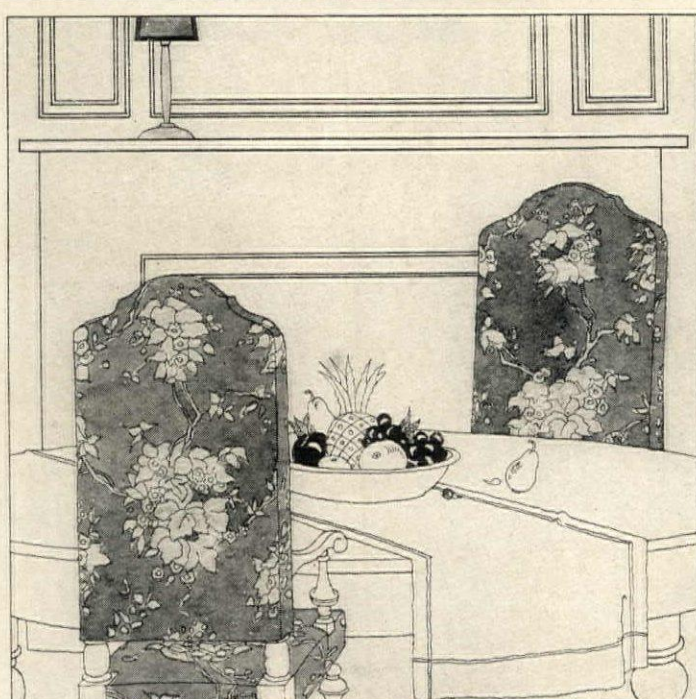
What are the most popular colors? Judging from the demands of those who shop early for Spring fabrics, one would say that lilac, lavender, navy blue and Alice blue combined with lemon yellow, and emerald and sage green are the predominant tones. Black and white as a combination, of course, has quite gone out.

And from these unsettled times we have derived at least one benefit—the imported fabrics that used to fetch sky-high prices are now being copied in a more reasonable way by American manufacturers. Moreover, the increased use of linens, cretonnes and similar fabrics is evidently so encouraging to the manufacturers that, in spite of the conditions that exist in Europe, the coming showing is resplendent with pattern and originality and genuineness in both design and color.

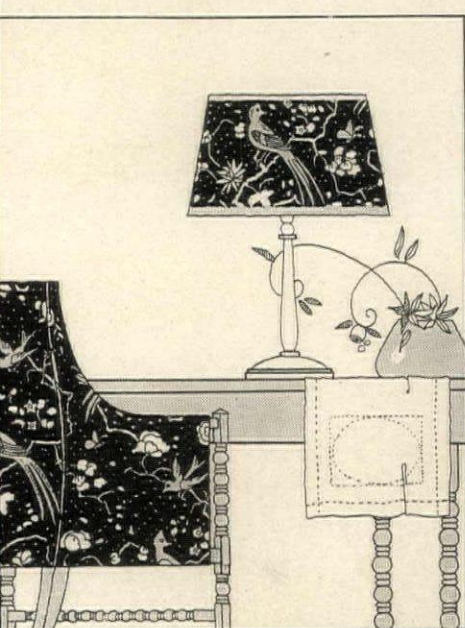
(Continued on page 82)



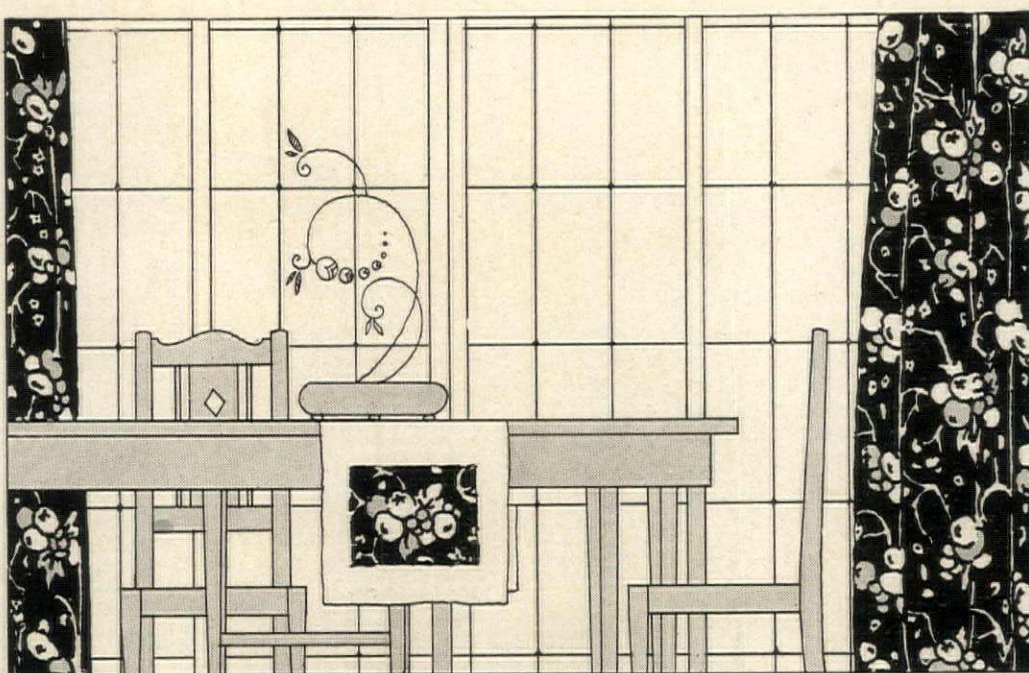
The Jack-o'-lantern pattern on the chair and above comes in several shades of blue, crimson and violet against white. It is even more effective with a black background and orange, green and old blue motifs. 50 cents a yard



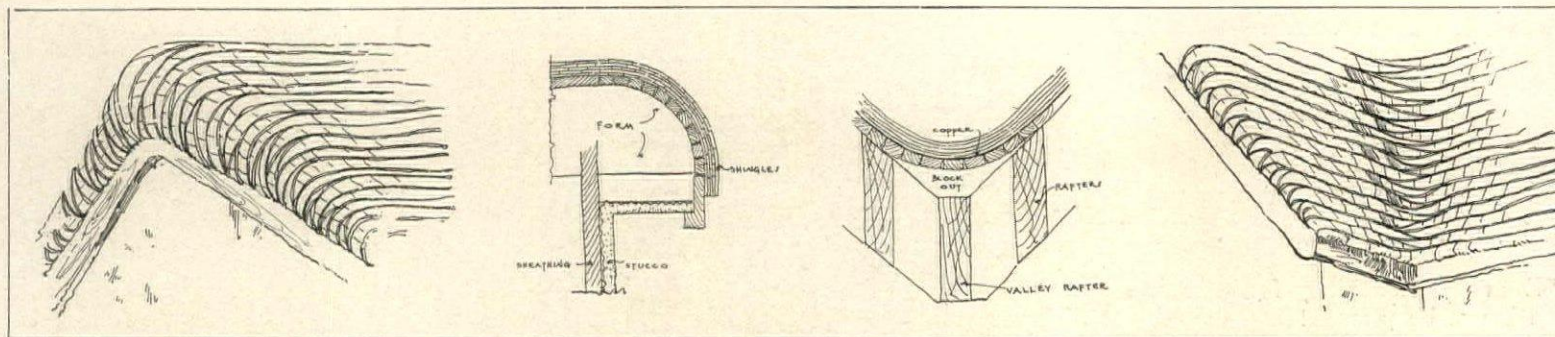
A beautiful example of hand-blocked French cretonne, suitable for upholstery or curtains, comes with a putty color or black background and sprays of flowers in greens and browns, red, violet, tan and grey. 31" wide, \$1.75 a yard



"Jewel Cloth" is a new departure in domestic cretonnes. On varicolored backgrounds, but particularly effective on black, are sprinkled gold dots. White trees and gay flowers are silhouetted against it. 36" wide, \$1.35 dotted ground; 85 cents plain ground



A very modern apple design fabric suggests the dining-room. On a white ground are brown twigs, green leaves, natural color blossoms and red and yellow apples. One color line is shown in the photograph above and the other—with a black background and violet apples—in the drawing. 36" wide, 85 cents a yard

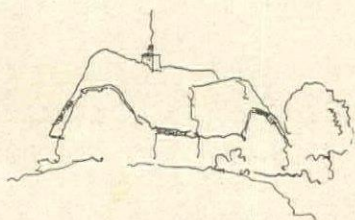


At the eaves there is a special problem caused by the necessity for accommodating straight shingles to the curves. The method is shown above

In the open valleys a curved piece of boarding is fitted in before the shingles are nailed on. A sheet of copper or lead insures it against leaking

SHINGLE AND THATCH FOR THE COTTAGE ROOF

The Old and the New
On the Modern House



INSTINCTIVELY all men love a cottage in a dell. It would seem to typify simplicity, intimacy and contentment—virtues that we crave in an age of complicated living and glacial indifference to the things that count. And so we visualize the cottage—a little dwelling beneath a thatched roof, a tiny giant with tousled hair.

While it is true that the cottage type of architecture has suffered many alleged improvements and modifications, the roof of the cottage permits no such changes. Thatch, either in its old form or in the form of shingles laid to simulate thatch, is a *sine qua non* in satisfying cottage architecture.

SHINGLE THATCHING

In the best style of shingle thatching, the shingles are laid $1\frac{1}{2}$ " to the weather, thereby making the thatch ten or twelve courses thick. This makes a heavy roof and, of course, a more expensive roof than one on which the shingles are laid regularly. It has the advantage of preventing leaks, however, a danger current with shingle roofs where the wood warps under the heat of the sun, especially on the exposed curves of ridges and eaves.

The choice of wood to use for this purpose is not restricted, although white and red cedar are preferable. For this sort of roofing cypress is too stiff. These shingles



Photographs by Gillies

Shingle thatch is the roof culmination of the cottage type of architecture. With any other style this roof is out of place, for it calls primarily for simplicity and intimacy

Described by GUSTAVE CAREY

Sketched by FRANK J. FORST



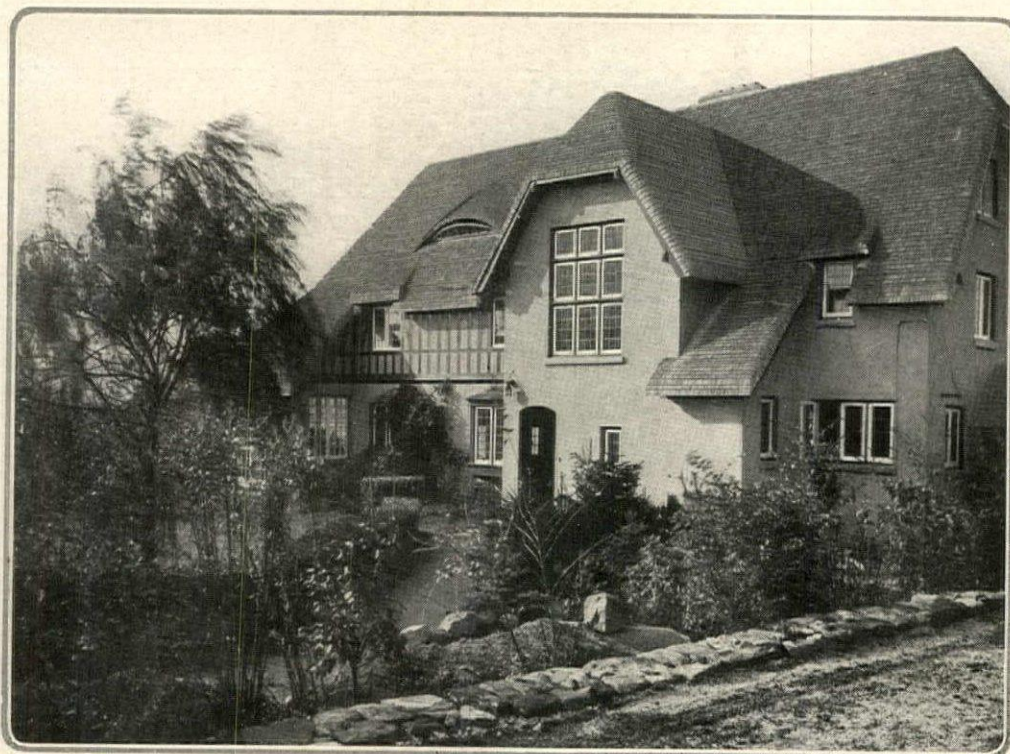
come in bundles of 250 each, and length vary from 12" to 16", 18" 24". There is a varying width in individual shingles, and those that are too wide the carpenter splits as he nails them on the furring. In the course of weathering the split becomes complete.

The foundation for shingle thatch is composed of (1) the roof rafters themselves, which in this case should be especially heavy because of the weight of the many courses of shingles, augmented in rainy weather by the quantities of water the wood absorbs; (2) preferably a roof-board or sheathing should cover the rafters or forms, following the curves set

them; (3) a heavy roofing felt, on which the thatch is nailed.

EAVE TREATMENT

The shingles are laid in courses about 1" to the weather, resulting in a very heavy roof. At the eaves there is a special problem, caused by the necessity of accommodating straight pieces of wood to the curve. Here the shingles, though of varying widths on the roof itself, are uniformly cut very narrow, ranging from a scant inch, or even less, about 2". By overlapping them the problem of the curve is overcome, and so many shingles are used—they are sometimes six deep—the



The thatch simulation is successfully carried out with shingle in the curves and valleys of this roof. It covers the residence of Mr. Burrows at Hartsdale, N. Y., of which A. J. Bodker was architect

the danger of penetrating water even in such exposed place. It is also, however, to the joints, on account of the danger of warping in cracks between shingles.

EYES AND FLASHINGS

In open valleys, a curved board of boarding is fitted before the shingles are on. On ridges the shingles are cut very short and laid close together, on the actual angle of the ridge itself, leaving the rear ends of the shingles, is a piece of rabbeted wood covered preferably with copper or sheet lead. This makes that the ridge will be water-tight.

The flashings (small gutters or pans) are used in open valleys or at the angle of roof and wall) should be of copper. They are sometimes made of tin, but this is likely to rust and leak.

Various expedients are resorted to in order to give the desired impression of age and unevenness. The shingles, as has been said, are split in unequal widths, thus depending from any effect of stiffness. The ends of the shingles are sawed unevenly to form a wavy line. In some cases an occasional slight weak rafter is inserted in the roof, providing for a sag in the construction at intervals, and securing the roll-effect of an old roof.

It may be mentioned that it is possible to make a thatch of this sort at greatly reduced expense by laying the shingles at the average width of $4\frac{1}{2}$ " to the weather, instead of $1\frac{1}{2}$ ". This makes a very attractive effect, although of course the effect of aging is greatly reduced.

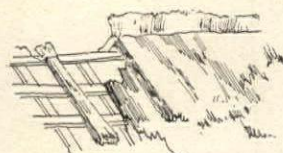
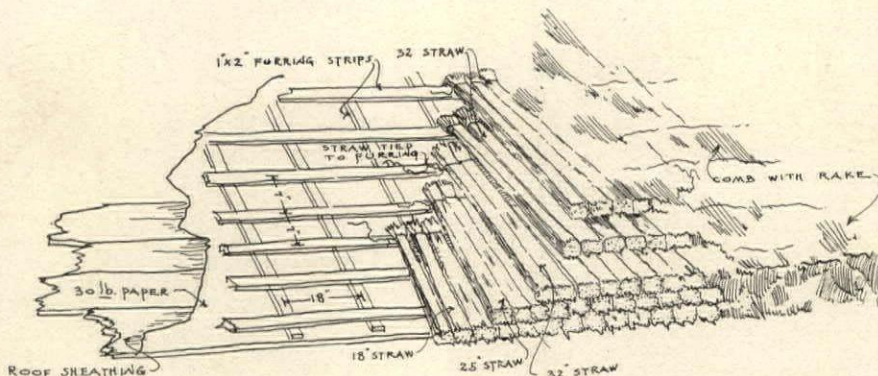
The life of a shingle roof of the first quality averages 20 years; the second quality about 15. This is of course controlled in measure by atmospheric conditions; but air is very bad for thatch in our variable climate. When the roof wears out, it is necessary to re-shingle, a point to be kept in mind when considering the expense of shingling compared to other materials. The life of any shingle is doubled by painting it preserved by a stain. The stain course depends on the design and color of the house; a preservative stain is advisable for obvious reasons.

RYE THATCHING

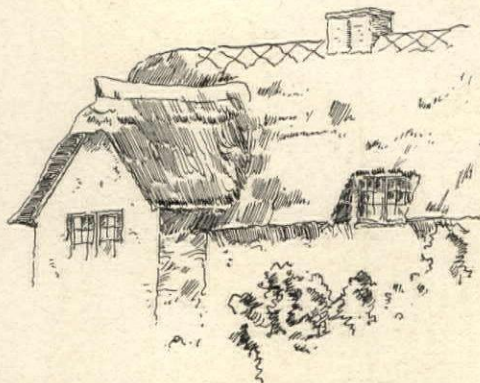
When there is the old-fashioned thatch—which appears on English cottages—of rye, as before noted, the shingle thatch is only an imitation.

For this type of roof, the first requisite is straw. Wheat straw is also good, but this cannot be procured here in the country. The straw—and this is a very important point—must be procured in bundles, not bales, for the straw in the bales is broken. The best thing to do is to take a horse up into the country, find some farmer who has a hay-loft full of rye bundles, and make him to part with what you need of for a reasonable sum.

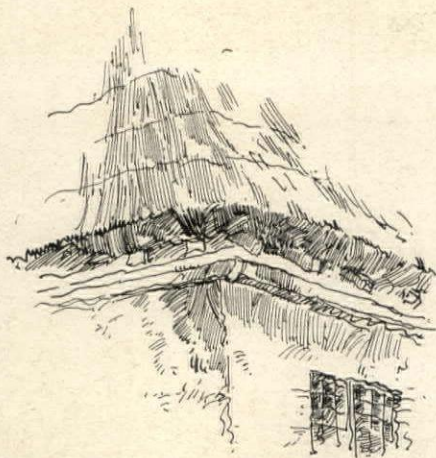
In this climate, before the thatch is applied, the roof must be wood-sheathed—made into what is called a tight-boarded roof by



The above sketches show a cross-section of the rye thatch roof, the method of tying on the bundles and of interlocking them at the ridge



The effect on the ridge of a rye thatch roof is not unlike that of a stiff, straight comb



After the bundles are tied in place the ends are clipped straight to give the above effect

the use of $\frac{7}{8}$ " tongue-and-groove North Carolina pine over-rafters. Over this is laid a layer of 30-lb. asphalt-saturated felt. Then, on the felt, 1" by 2" furring strips—18" centers—running the length of the roof. Another layer of furring strips, cross-ribs this time, goes above this; in dimensions the strips are the same, 1" by 2", but they are laid with 9" centers. You will see that the general effect is that of a checker board with uneven squares, or rectangles.

TYING ON THE RYE

The roof is now ready for the thatch. The bundles should be untied and combed; then the thatch is re-made into little bundles, about as thick as one's fist, care being taken to keep the heads all at

one end. With scissors or snips the rough ends of the bundles must then be evened off. Completed, the bundle is about 4' long, tied loosely about 6" from the butt-end.

Some bundles will be short, and these should be used for the eaves. The eaves are done first. The thatch is attached to the roof by means of a tarred, loose-spun twine, known as binding twine. This is

tied to the end cross-rib on the eave, then wrapped around a bundle, and knotted with a running hitch—a sort of slip knot. In every case the butt-ends are placed upward, and the heads down.

When the first bundle is secured, a second is placed beside it on the roof—working across—and fastened in similar fashion. The running hitch leaves the free end of the twine loose for attaching each successive bundle as you come to it.

When the eave course is completed, a new piece of twine is fastened to the cross rib, just above the first course, and the second is begun. In this manner, building up row over row, the roof is covered.

At the ridge a slightly different treatment is necessary. Take a bundle of the straw, tie it firmly at one end, wrapping the twine around it for 4" or 5". Part the other end of the bundle and split it, fitting it over the ridge, so that the tied end sits up on the ridge. Continue affixing bundles in this way, until the ridge is covered. The bundles should be secured underneath by catching them into the cross-ribs on both sides enough to hold them firmly.

When the roof is finally covered, it should be neatly smoothed over and combed out with a rake. Where the thatch is tangled on the ridge, it must be trimmed with scissors until it is even.

THE LIFE OF THATCH

The life of a thatched roof is about as long as that of ordinary shingles. It would not keep out the rain for more than 15 or 20 years, were it not for the waterproofing beneath. This will keep the roof water-tight for a hundred years.

There is, of course, danger of fire. Another destructive, if less dangerous, menace is mould; something in the quality of the rye is supposed to be accountable for this, but it is not possible to choose so as to avoid its occasional attacks.

In this country, as in the case of shingles, the unevenness of atmospheric conditions encourages rot. In the course of time the rye weathers a beautiful dull shade of greyish-brown, the very tone a cottage in a dell should have. . . . But—and this is a "but" to consider—its cost is expensive—an expert charges about \$0.60 per square foot for the job.

So much for the details of application—somewhat boresome, perhaps, but withal essential to a full knowledge of what the thatch roof should be. I have said but little of the broader reason—atmosphere—which underlies the use of this type of covering; for, after all, this must be seen to be understood.





In the bright lexicon of Pullman cars there are no names that compare with the life stories blazoned on the sides of the Birmingham Tally-Ho! coaches. Modern social opportunities, too, are tame



And what hostelry of today can boast the importance of The Nelson Inn? What are a beggarly half-dozen taxis against the —“four-in-hand, whisky, buggy, gig, dogcart, curricule and tand

BUCKS, FRILLS, and HORSEFLESH in OLD ENGLISH PRINTS

Ancient Gossip and Scandal that Lend
an Air of the Ancestral to a Room

CLIFFORD POPPLETON

Prints by Courtesy of M. Knoedler & Co.

Furniture by Hampton Shops

YOU are waiting one day in the roomy hall of some friend's country home, before a cheerful open wood fire, perhaps, what time George puts on his heavy shoes preparatory to joining you in an exhilarating tramp through the cold-whistling woods of early winter, when your glance leaves the dancing firelight for a moment and notes an old print hanging in a thin, black frame above the heavy oaken mantelpiece.

Your deep chair before the crackling logs is too pleasant to get out of, though, and you think, as you toast your toes, of the big snows that are due, and what times they must have had of it traveling in the old days before the limousine and the luxurious transcontinentals simplified locomotion.

Having a hazy liking for prints, scenes of ye olde Englishe stage-coach days and that sort of thing, don't you know, you resolve that when George comes down, and it is really necessary to cease basking, you will take a good look at that fellow up there.

Your knees begin to get so confounded hot, however (bless the fellow, he's had time to put on forty pairs of shoes), that you get up, and George arrives just as you are tip-toeing on the hearth with your muddy feet in an endeavor to look at the print and avoid scorching your shins at one and the same time—and not succeeding.

BEING a man of some practical sense, George takes it down, and leads you firmly over to the window-seat where you may admire it in comfort without danger of complete incineration.

"Fine old thing," says he casually. Mighty little cares he for *your opinion*; you are no collector.

"A Barouche." You read the title. H'm, so that is a barouche. It is like nothing so much as half an eggshell, oval end down, suitably paneled, and sprung high and dry above four spidery wheels; a Cinderella's coach for fragility. How any woman ever

got into one of these contrivances your comprehension. There's no sight, and it's four feet if it is as high from the ground to the floor of the shell. Ah! maybe she was lifted in; the idea, decidedly. Some women are lifted in, anyway. 'Twould come to a gallant age, 'pon my honor.

But there's more in the print than barouche, there is fine action. Lord Boldblade is on the box, full of reins and whip, and tooling four spanking grays down the road at fifteen an hour. You're a Dutchman. Two silent flunkies are perched up on the ledge at the back of the equipage.

"By gad, they're stepping it!"

"How's that for horseflesh?"

"What an elastic motion!"

"Those fellows led a rare race."

"I should say."

"How much did it cost you?"

"Two hundred and eighty, auction in New York."

"For the love of Mike, what price!"

"The bidding started at ten dollars, and there were half a dozen in the game up to a hundred and fifty. It's a rare impression, graven by R. Hixon, 1813."

"Any more around?"

"Yes, I'll show you some more. Let's get out now, or we shall be back late for supper."



Remnant of the swashbuckling beaux themselves, the atmosphere of an old sporting print is a certain antique swagger, a venerable smartness; as witness this bit of hallway

AND so it goes; George selects one or two prints cheaply, and you buy others whenever you have a chance offers. Sometimes you spend ten and sometimes fifty, but it is a new excitement in life.

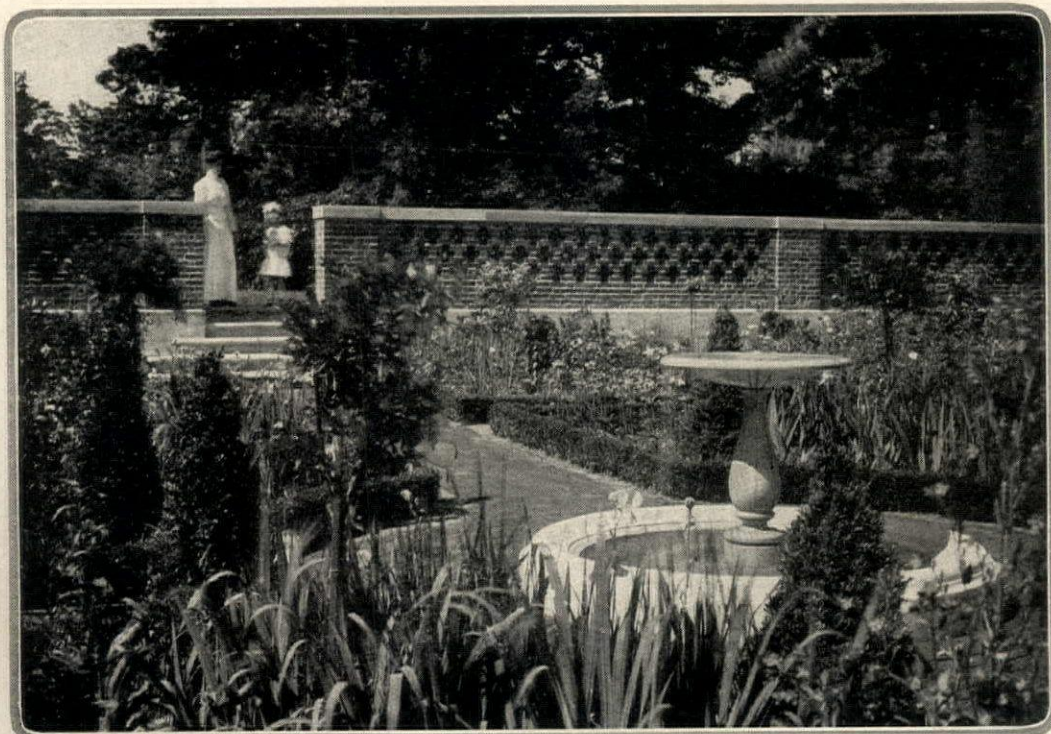
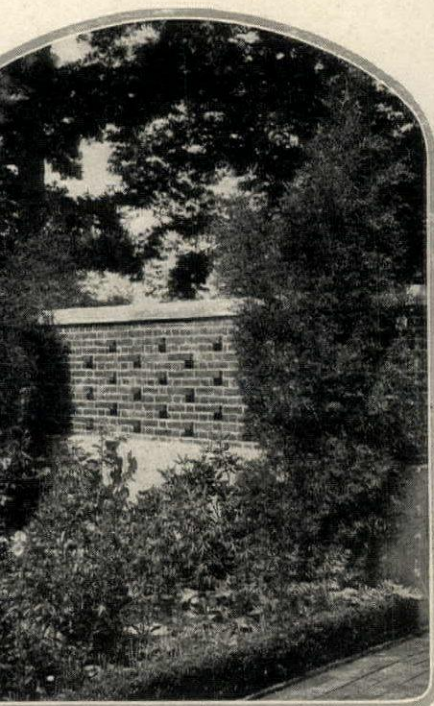
(Continued on page 64)

THE GARDEN OF MRS. PARMELEE, Esq.

Washington, D. C.

CHARLES A. PLATT, Architect

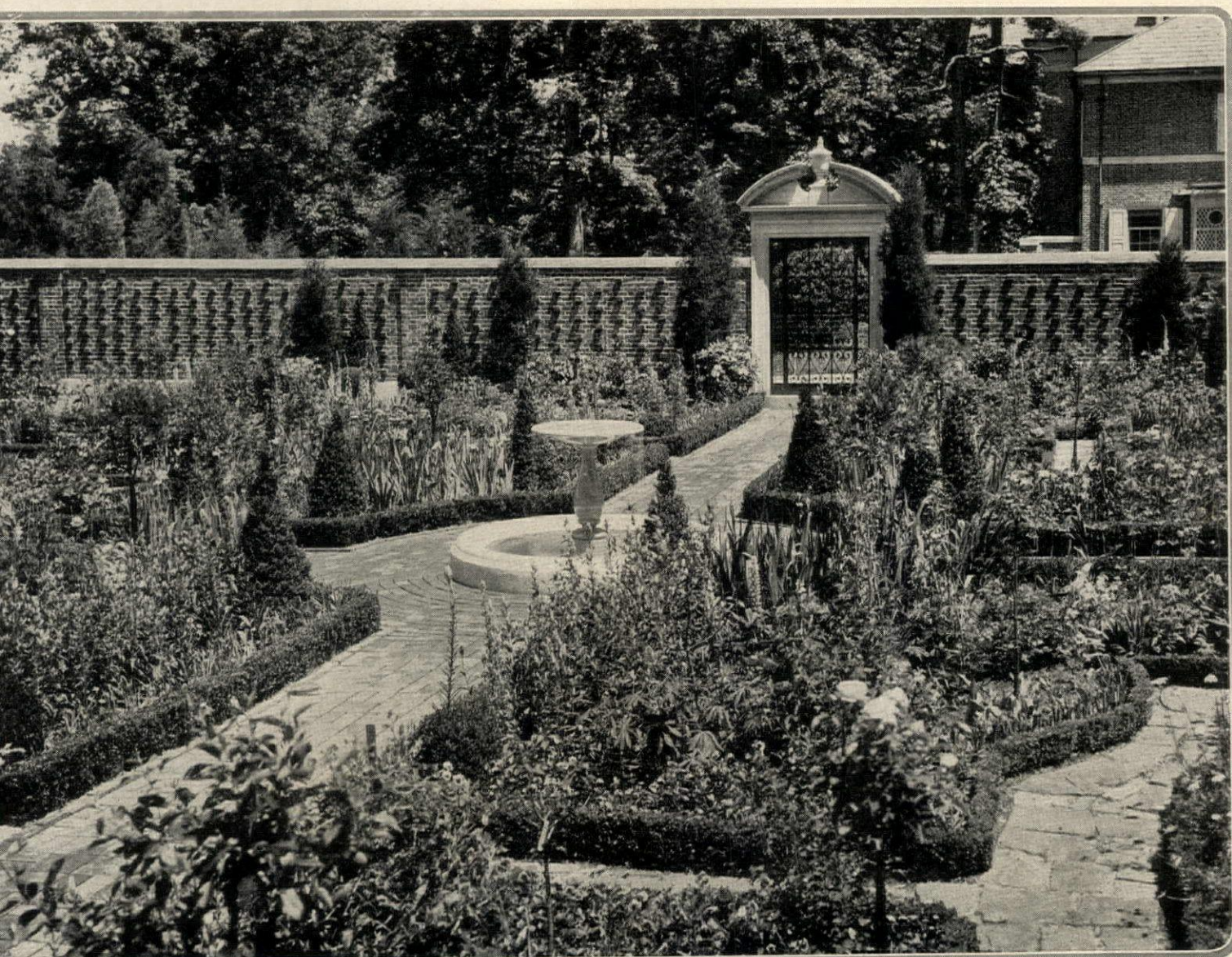
Photographs by Gillies

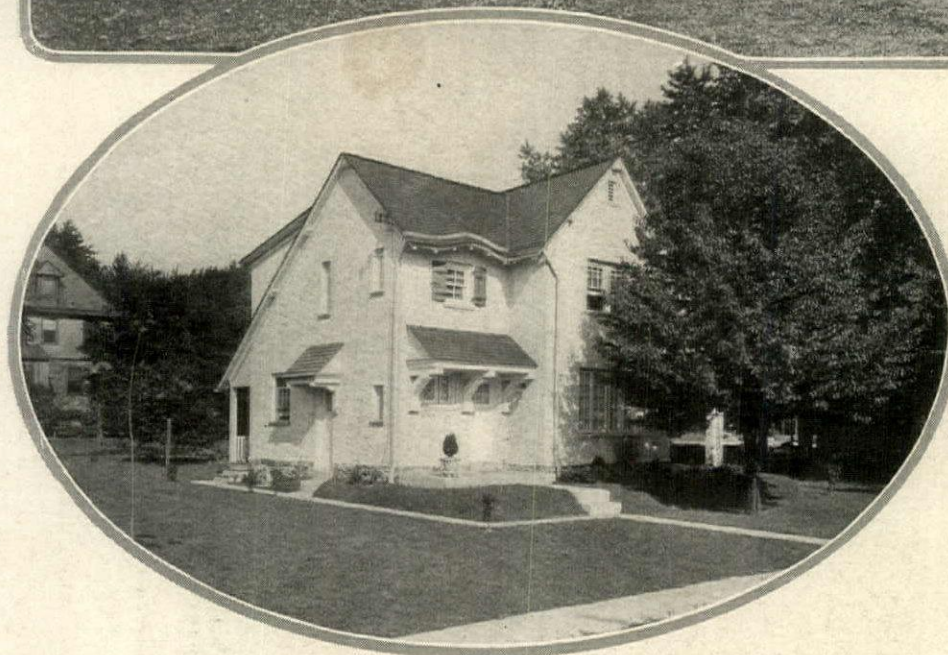
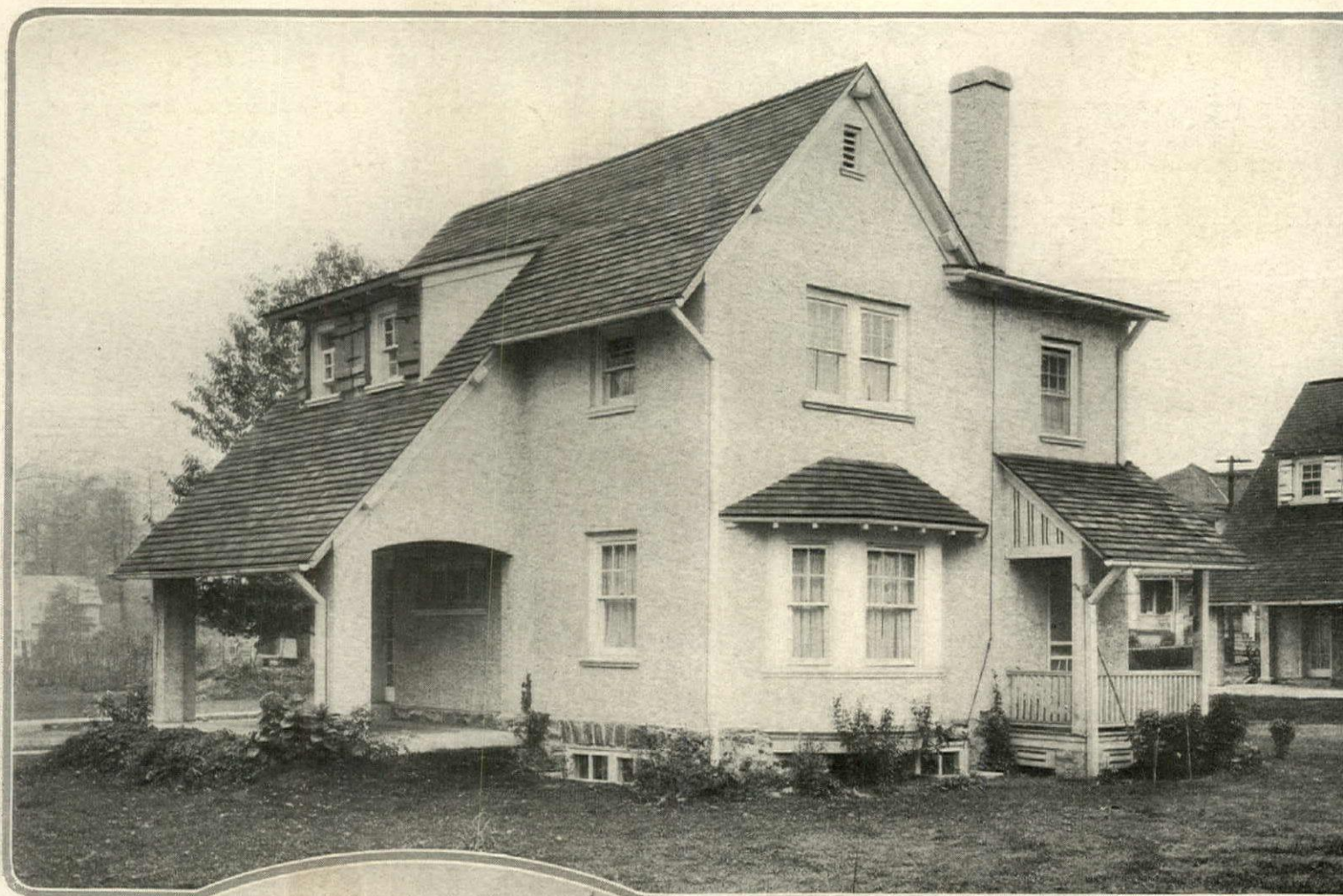


The feathery foliage of arbor vitae and the richer green of boxwood hedging stand out in marked contrast to the lines and color of the brick and cement wall

Approaching the garden from the side, five steps lead down from the higher ground. From them the axial walk leads to a pool and fountain in the center

Save for the rough flagged smaller pathways, it is a brick walked and brick walled garden. Pleasantly relieving shadows are cast by the projecting bricks in the wall, which are regularly arranged





Hollow tile, coated with rough-texture white cement plaster, forms the exterior walls. Pleasing contrast is introduced by ivory-painted woodwork, stone foundations and solid, dark green shutters. A really novel note of effective exterior development is found in the roof treatment

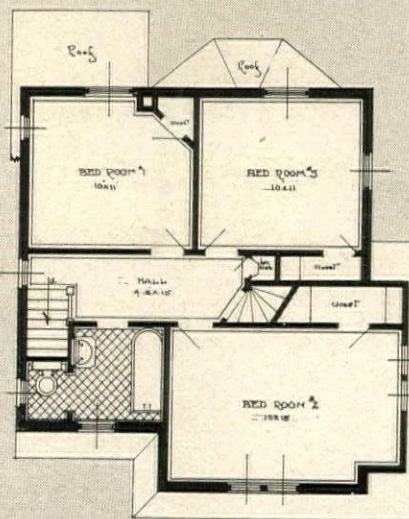
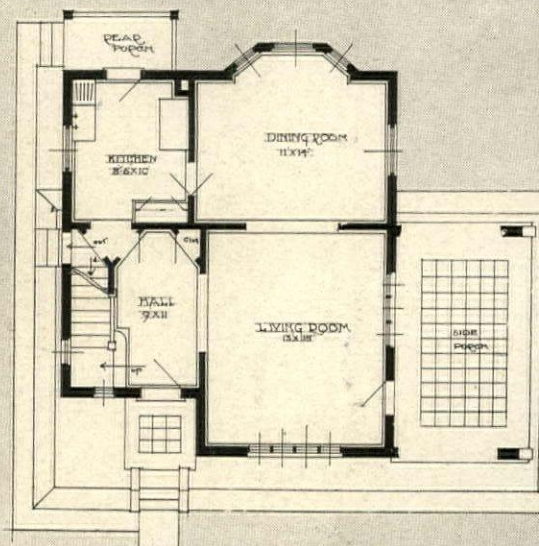
Although the roof is of shingles, it is as rich in color variations as though mottled slates had been used. Prior to their application to the roofing frame, the shingles were dipped in several different shades of green stain and then applied at random

A COUNTRY COTTAGE OF COMPACT LINES

WALLACE & WARNER, Architects

On the first floor an hexagonal hall is created by the provision for a small corner closet and a diminutive passage leading to the kitchen. From this passage stairs lead to the basement, a door being located at the landing to permit convenient and ready access to the cellar from outdoors

The upper floor is marked by rigid economy in the allotment of hall area and by a proportionate prodigality in closet space. In addition to the storage facilities on this floor is a large attic store room above. The plan is compact and livable

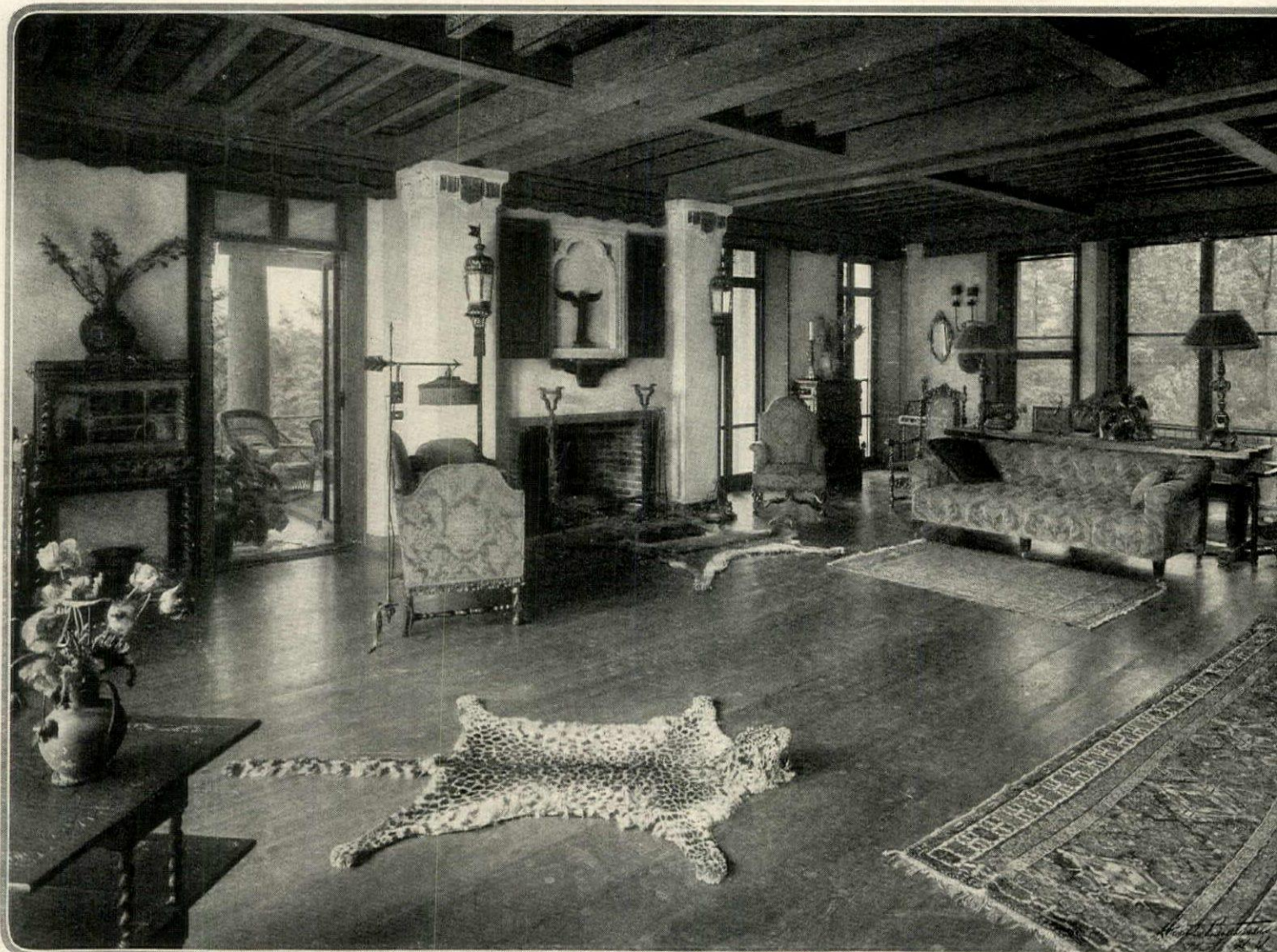


A LITTLE PORTFOLIO OF GOOD INTERIORS



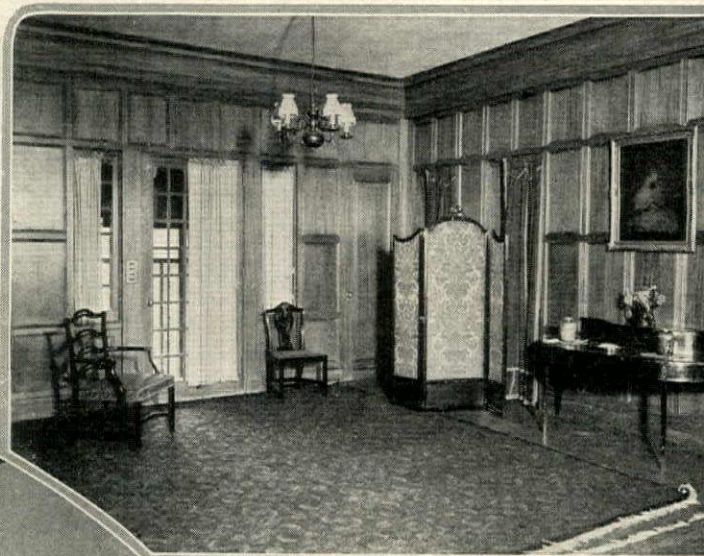
Photograph by Wurts Brothers

The fireplace is the focal point of the room. It is also the point about which furniture is naturally grouped. For this reason it should be given a decorative treatment that justifies its prominence. In the residence of George E. Turnure, Esq., in New York City, is the fireplace pictured above. Its dignity lies in the faithfulness of its architectural detail. In the broken pediment is set a basket of flowers. The simplicity of the mantel garniture is in keeping with the lines of the overmantel. Miles & Greenleaf, architects



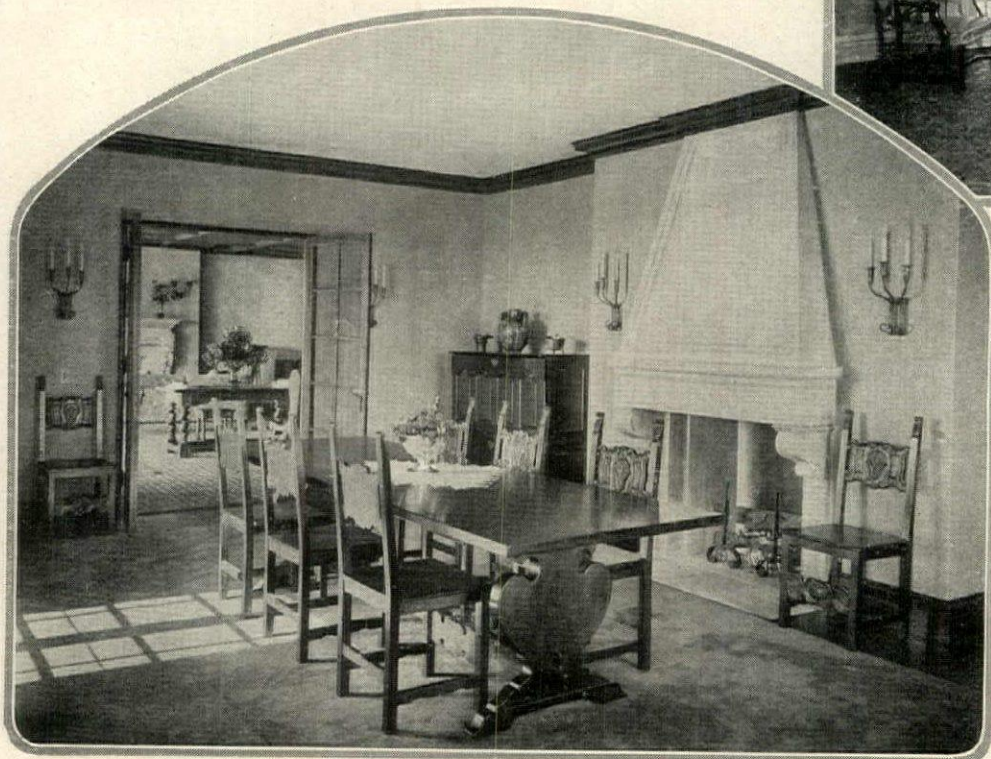
Photograph by Wurts Brothers

The livable living-room affords open restful spaces and the furniture is so grouped as to form centers of convenience and comfort. But there are winter centers and summer. In this view of the living-room of the residence of J. S. Schieffelin, Esq., at Monroe, N. Y., the centers of interest are for summer. The decoration is consistent in every detail from the hand-adzed beams and brocade fringed frieze to the broad floor boards. B. B. Smith, architect



Photograph by

Nothing is more successful for the background of a room than wood properly paneled and finished. It has dignity, diversity of interest and warmth of tone. In the residence of William Tully, Esq., at Locust Valley, N. Y., wood has been used. It gives formality to the entrance and makes a perfect setting for the Gainsborough and the few pieces of well-selected furniture. Kenneth Murchison, architect



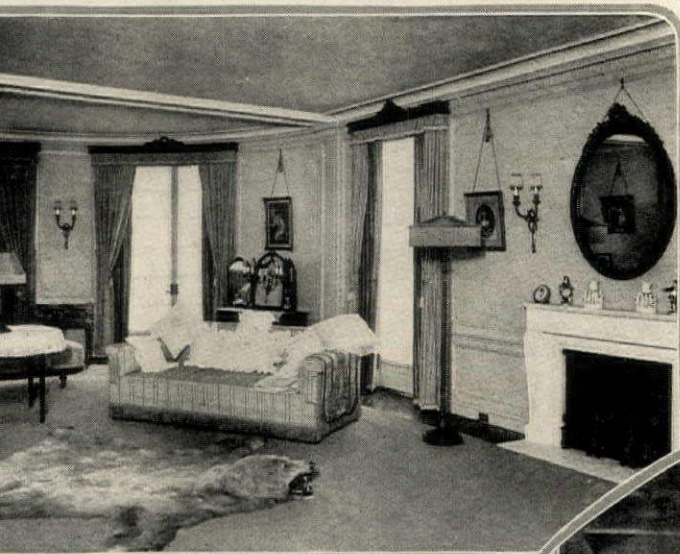
Photograph by Gillies

The popularity of the Italian mode in decoration is unquestioned. It is sparse but comfortable, dignified but not too cold. Our American living-room to the right shows that mode consistently carried out in both furniture and architectural background. It is in the residence of W. W. Lawrence, Esq., at Watch Hill, R. I., which Mott B. Schmidt was the architect



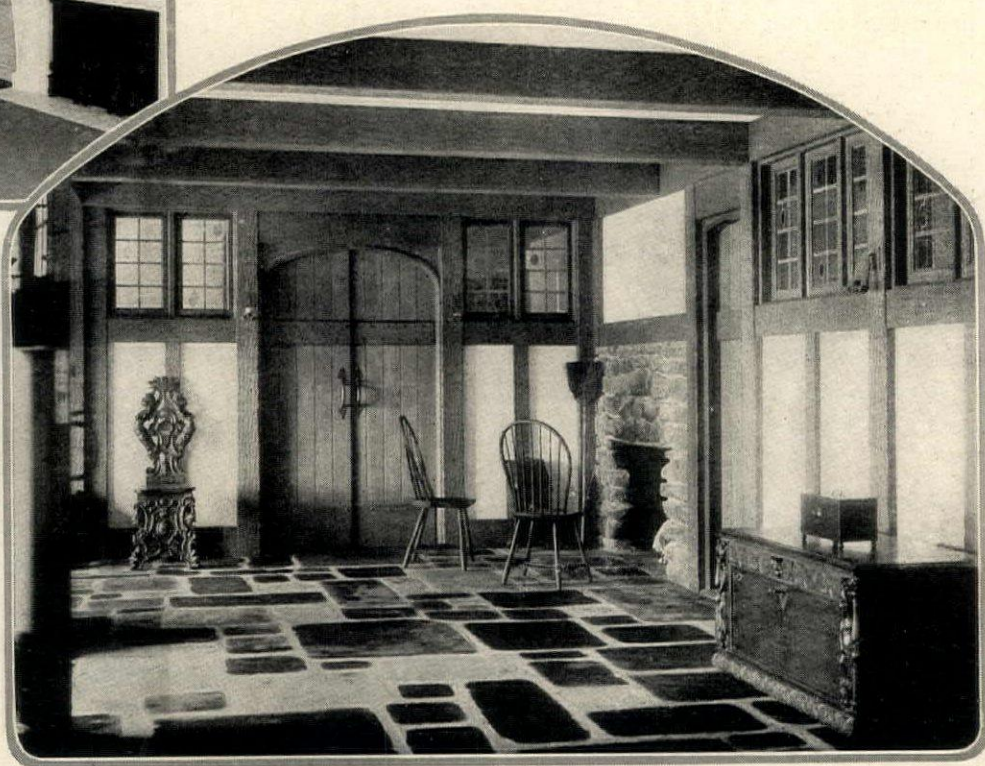
Photograph by Gillies

The beauty about wicker, willow and reed is that they combine so well with painted furniture and with mahogany and walnut in informal rooms. The living-porch above, which is in the residence of George E. Ide, Esq., at Locust Valley, N. Y., is informal in its green lattice frieze and woodwork laid directly against the white brick wall. Mahogany and reed in natural tone have been successfully mixed. The floor is of small red tiles with fur and Indian rugs thrown over it. The davenports by the fire are comfortable and well placed.
J. Gamble Rogers, architect

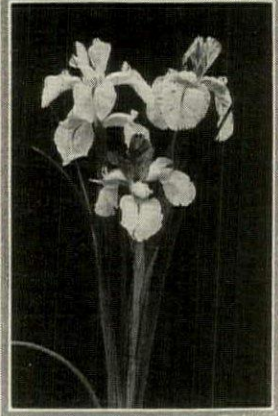
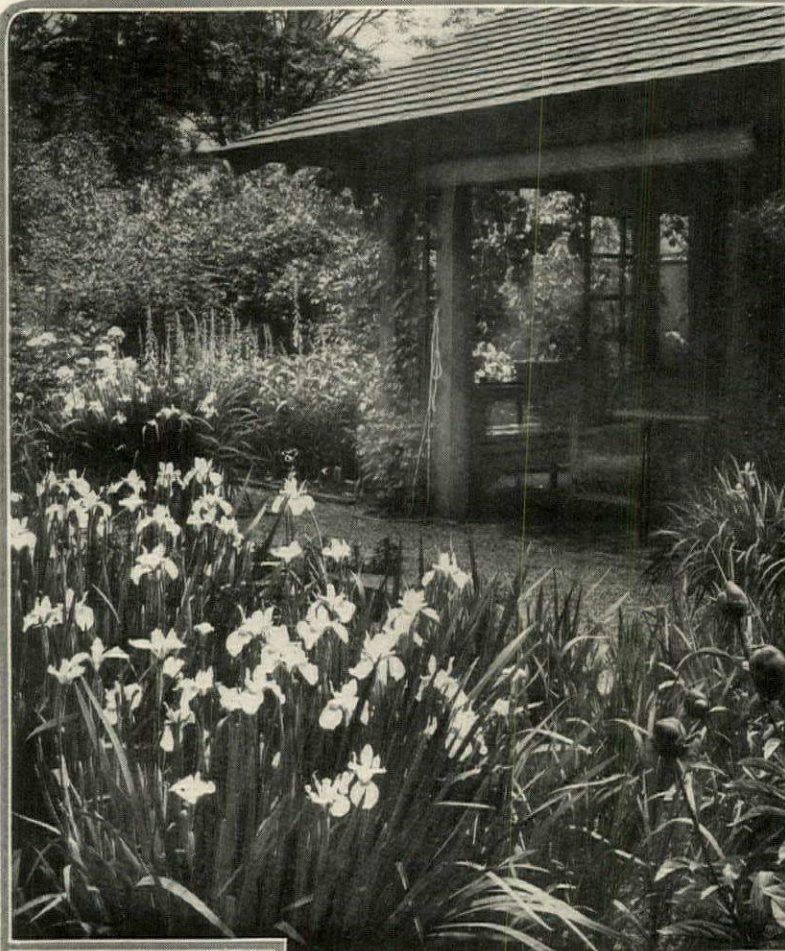


h by Gillies
g-rooms and bedrooms require only the
tial pieces of furniture. An example of
is seen above, in the residence of C. L.
aw, Esq., at Glen Cove, L. I. The walls
olain, interest being given by one or two
ch prints. The curtains are simple and
fied. The furniture is conducive to restful-
and the lighting is so arranged as to give
maximum of service and effectiveness.
Charles A. Platt, architect

unusual entrance hall has been created in
residence of Dwight Holbrook, Esq., at Hart-
Ct. The floor is of large flagstones laid
ularly in wide white bonds of cement. The
work is hand-adzed with white plaster
ls between. Above are lights of leaded glass
hall panes. An outside fireplace is built in
one corner. R. F. Barker, architect



Photograph by Tebbs



The English iris, above and to the left, is the oldest cultivated species in the western world. An excellent example of the best use of these splendid plants

The true Iris Germanica is purple and yellow, and though closely related to the so-called "German" hybrids, is not identical. Hybrids above and at the right

FLOWERS OF THE RAINBOW GODDESS

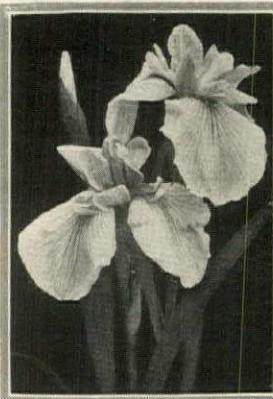
GRACE TABOR

Iris flowers last from three to six days. Cut them before the petals unfold, to get the fulness thereof. Never bunch them in vases, but arrange singly, with a leaf or two, in a Japanese flower holder set in a flat, shallow bowl of water. This alone preserves the character of the flower and leaves.



NO flower is so happily named as this namesake of the rainbow goddess; for what but the rainbow's self is of such color as the iris? Look carefully and for a long time into the depths of almost any common iris flower, and you will see these colors come out more and more, as it were—see them glistening on it much as they play on the filmy surface of a great bubble. Like the rainbow in very truth, here is a flower that shatters the shafts of light which fall upon it into countless tiny darts of pristine color, so that the entire range of the spectrum's scale plays under the vision of the close observer.

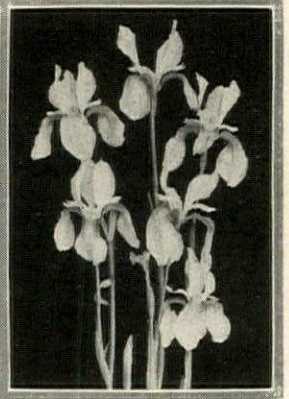
That this is not true of every part of the flower I am perfectly willing to admit, but that it is true of the heart of the aver-



In their native land Japanese iris flowers attain a diameter of 12" or more



Look long and carefully into the depths of an iris flower and you will see there a wondrous play of rainbow colors



Iris Sibirica, tall and free growing, has been in our gardens a century

divided into races associated with the races of human beings. We are familiar, for example, with German iris; most of us have heard of Japanese iris; some recognize Spanish iris when they see it growing; to others the English iris is familiar; and most of us, I think, have heard of Florentine iris.

Now considering that here is a flower that practically girdles the globe in the north temperate zone—the great

age flower there is a reason. Even the monest "reveal" treasure carefully served. you cat warrant will take in your and hear apart from other flower. For so son, this large family plants

are found between about 33° and 40° latitude—it is evident that there must be great many more races represented than those named; and also it is evident that the German iris and English iris cannot come from either of those countries. So the system of classification is somewhat in question, as it were.

THE IRIS VARIETIES

In a matter of fact, there is just one iris that should be called German iris: *Iris Germanica*, so named by its official sponsors in 1857. It is native to central and southern Europe, blooms usually in May, is purple with yellow bearding, and is not the type of the great mass of irises which pass generally as "German" iris. It is closely related to the true, through a pair of allied species; *Iris Germanica* itself has but few varieties, being a reluctant seeder and is therefore not a promising one for the hybridizer. The lovely Florentine is usually one of the best of the so-called *Germanica* hybrids. It is *Iris Florentina*, the earliest of the tall and slender kinds, with large flowers of a gleaming grey-white over which the blue I have already mentioned plays remarkably. It is the root of the chemically treated root of this species and flowers and root have the delightful, spicy odor. This is native to central and southern Europe, and a relative of *Iris Germanica*. A natural pure variety of the species is found in Spain and the island of Cyprus, and is distinguished by the variegated leaves *albicans*. Both species and the variety are lovely.

Perhaps the most striking difference between the true *Germanica* hybrid and the *Florentina* is the fragrance of the latter, and the lack of it of the former. Still the fragrant species is the *pallida* iris (*Iris pallida*), which is violet in color and very resembling *Germanica*, save for the scent and the later blooming period. It blooms about a month or along in June. The variety *speciosa* is lovely, with light blue flowers on long stems.

The commonest iris of our gardens generally, then, is of the so-called German, but properly Florentine or Italian. Yellows and browns have been introduced through crossing with *Iris flavescens* or *variegata*, or perhaps both. The one comes from the Caucasus and has light yellow flowers raised on long stems showing darker yellow bearding; the second is from Turkey and south-

ern Russia, with deeper coloring generally, the outer segments of the flower, or "falls," being richest, warmest brown like old port wine, while the inner segments, called the "standards," are bright yellow veined with the darker shades. Once fixed in the mind, these species will nearly always reveal themselves in their hybrid offspring.

With the Japanese iris we take up a totally different race—as different as these people of the Orient from whose land they come are different from the people of the western world. The plants form strong clumps, but the leaves are thinner and

enormous, and a month later in bloom than all other irises which we have.

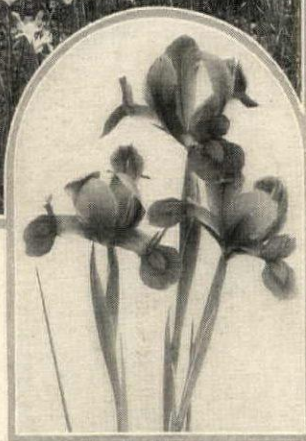
This species is *Iris Kaempferi*, or *Iris laevigata*—the names are synonyms—native to Japan and the eastern portion of Siberia. The first plants were brought from the Orient to Ghent away back in 1857; but for some reason, popular interest in them has only recently seemed to awaken. In the beginning, of course, only the hybrids produced by the wizards of Japan were available; but western growers have taken a hand and developed some lovely varieties. All from Japan are supposed to be variations of the one species, bred by careful selection rather than by crossing, but the European growers have hybridized *laevigata* with *setosa* (which is also a Japanese species).

ENGLISH IRIS AND OTHERS

The species which we call English iris (*Iris xiphoides*) is said to be the longest of any in cultivation, in the western world. It came originally from the Pyrenees Mountains, and differs from the species already discussed in being a bulbous-rooted plant. The Spanish iris is also bulbous rooted, and there are numerous others belonging to this division which are not generally cultivated. These are offered in the fall usually along with other bulbs, for fall planting. They are perfectly hardy and will multiply rapidly when once established. Certainly no one ought to be without them, for there is no more graceful flower in the entire family than these two. I couple them, for they are closely allied and very much alike, although the Spanish iris shows greater color variety and contrast. This blooms earlier than the English, and is more delicate in flower and leaf. Its proper name is *Iris xiphium*; but dealers list it as *Iris Hispanica*, while the other so-called English iris is sometimes dubbed *Iris Anglica*. In ordering it is well to remember this, for otherwise a catalog may not seem to offer either one,



All irises should be naturalized, which in this connection does not imply "wild" planting. These two forms of Spanish iris suggest the considerable range of color obtainable



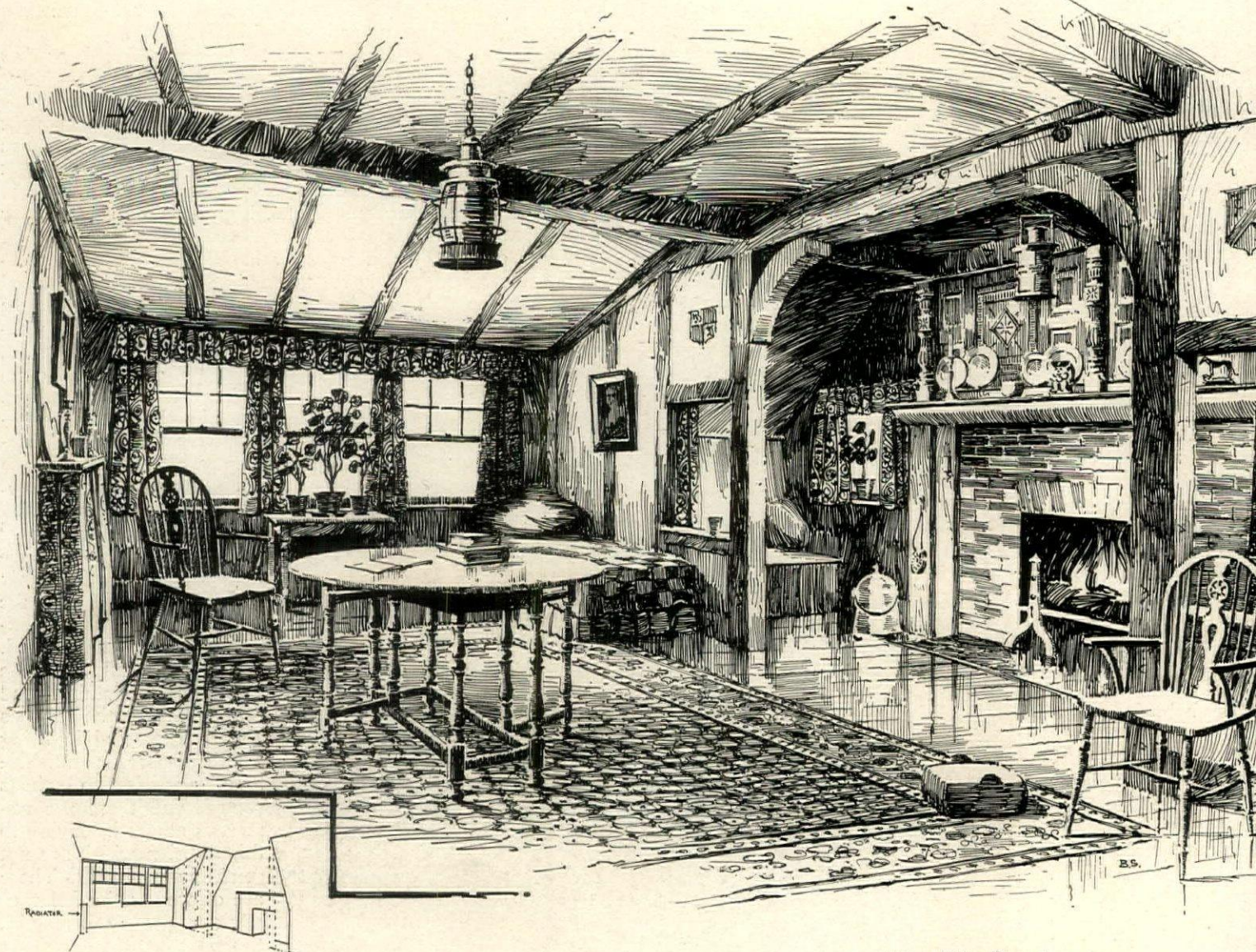
longer and therefore more grass-like than those of the sorts just considered. The color of the flowers never gets away from white, blue or purple, though wonderful combinations of these exist and gradations of color almost unbelievable; and the flowers themselves are immense, flat-topped things, hardly recognizable as iris the first time seen, save that there is of course a marked family likeness.

In the gardens of their native land they not infrequently attain a diameter of 12"; and though they do not equal this here, owing perhaps to our devoting less careful attention to their care and feeding, they are

though both may be available.

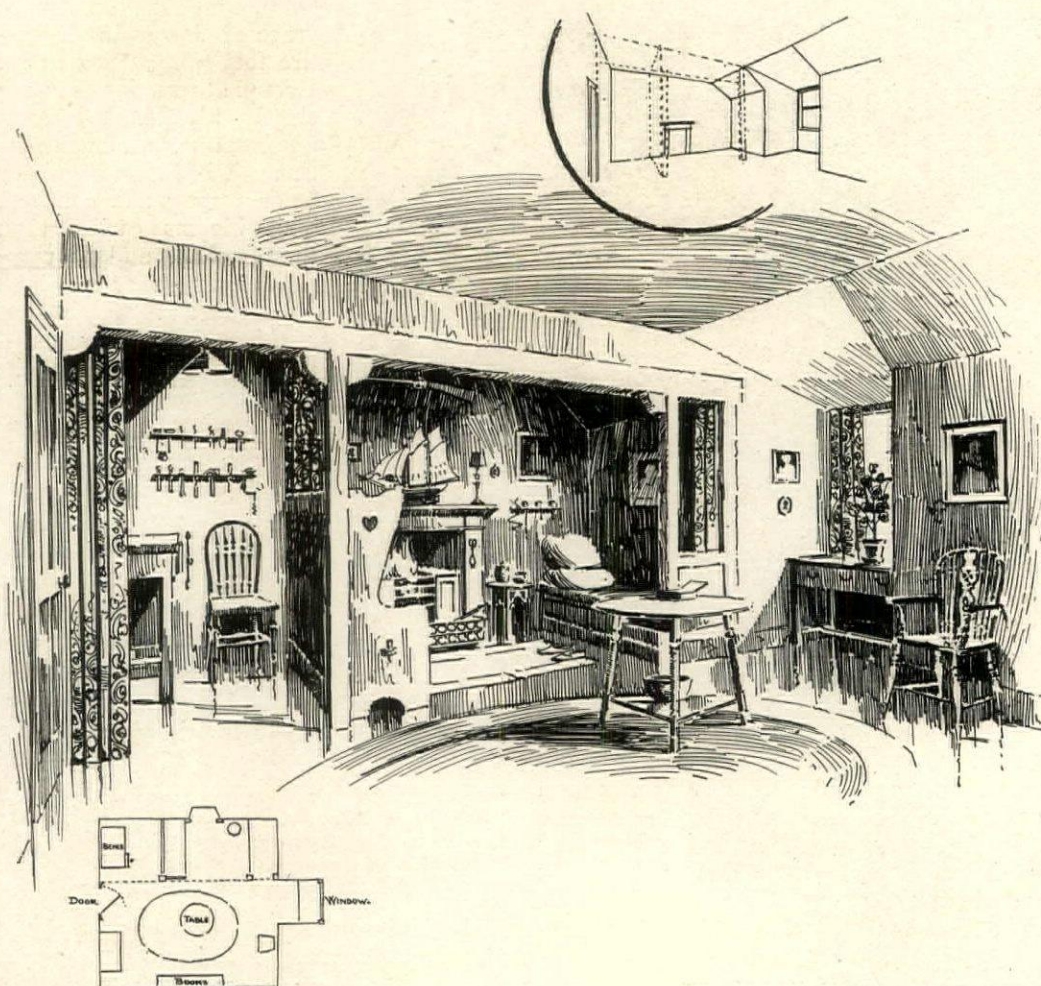
A rather recent development in the hybrid world is *Iris interregna*, a cross between a dwarf form—really between a hybrid of this dwarf form—and *Iris Germanica*. The results of this crossing bloom earlier than the ordinary German iris, for *Iris pumila*, the other parent, is a sturdy little early blooming species of great merit and hardiness. Sometimes its flowers are purple and sometimes they take a notion to be yellow; and there are varieties which are white and deep purple and a true sky blue. This last, indeed, is one of the really

(Continued on page 74)



Altman & Co., Decorators

The room above was created in the residence of J. J. Twohey, Esq., at Sutton Manor, Rochelle, New York. Rough-hewn chestnut stained a deep brown was used for the timber work. Where necessary, the walls were filled with wall board, painted with a rough preparation and sprayed with a mixture of dyke brown, Sienna and mucilage to give necessary antique effect. Curtains are of linen of a grapevine pattern. The radiator is covered with draw curtains and made to resemble a bookcase. Furniture and ship lanterns are in keeping with the spirit of the room.



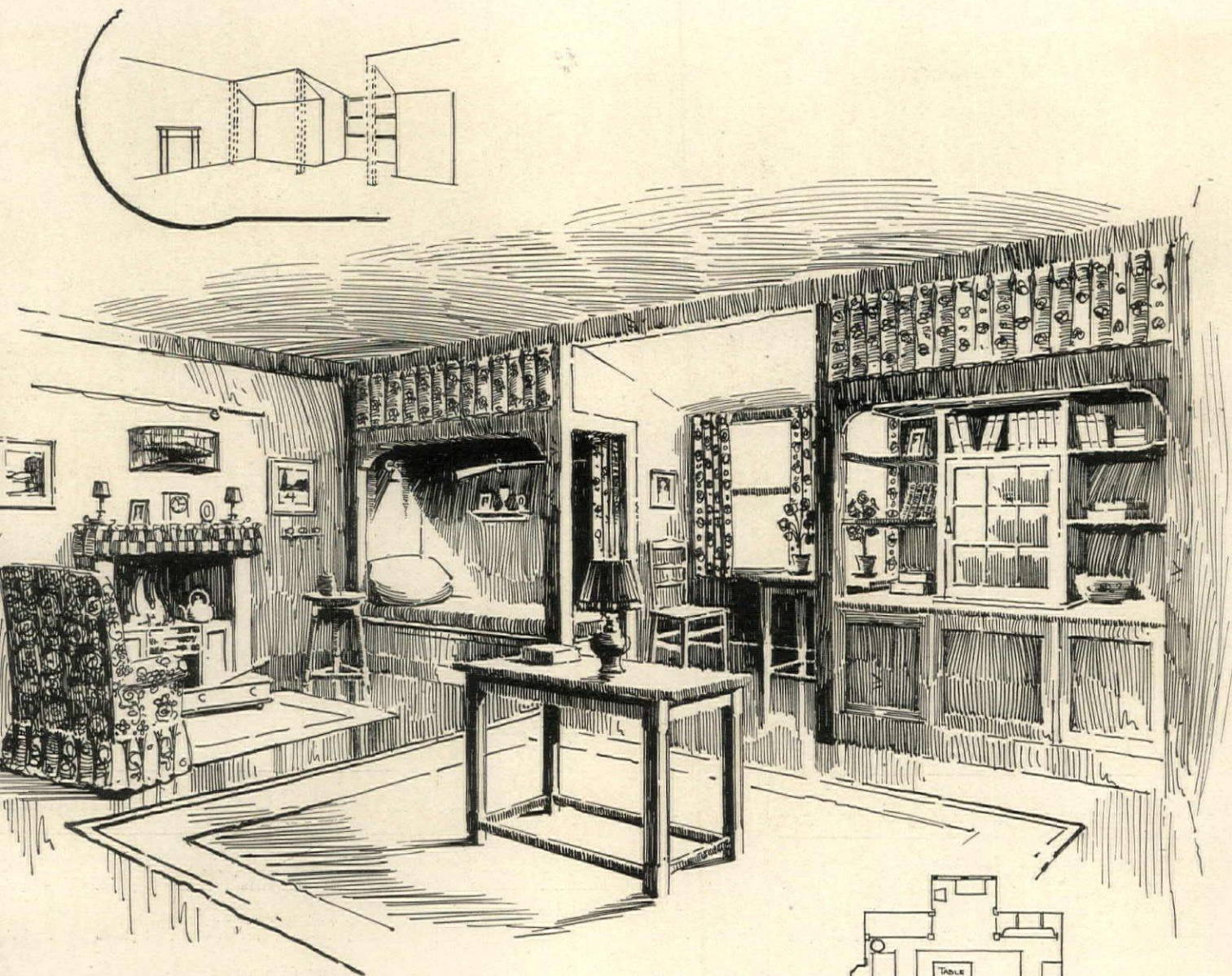
COMPROMISING WITH THE EAVES

Five Schemes for Attic Rooms

Executed by

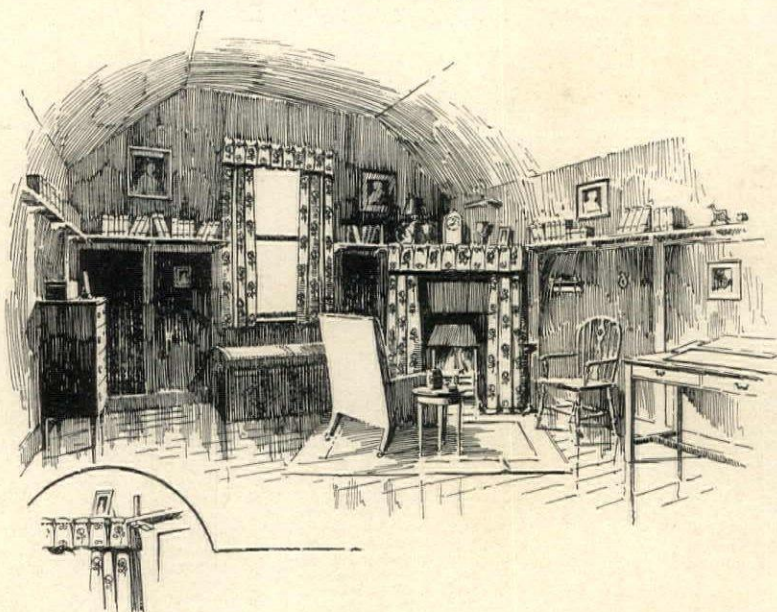
H. BERESFORD STANTON

Compare the construction sketch above and the floor plan. They tell the whole story of the man's den to the left. Hand-adzed timber and boxwork to simulate timber divide the space into a workshop, an inglenook and the room for entertaining. Curtains can be drawn across the door of the workshop and the room made ready for entertaining. The furniture can readily be procured in any shop at reasonable prices.



The solution above compromises with an ugly wedge in the roof. Timber work and wall board form the frame for a lounge and book shelves. The curtained space above hides smaller discards. The space below the cushioned lounge is a locker. The glass door on the right conceals pigeon holes or a cellarette. An old chair in a cretonne cover gives a spot of color. The rug can be of fibre and the furniture is such as any house or shop provides.

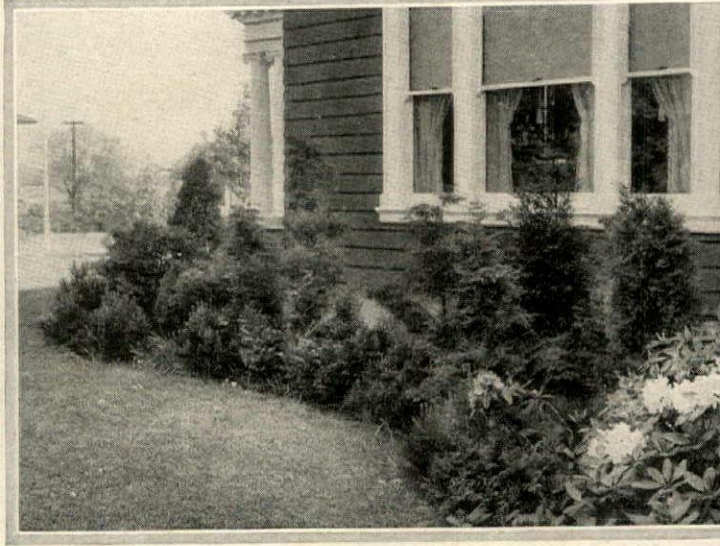
Below is an ordinary attic room created without timber work. The walls are stenciled into panels and the same design is repeated in the curtains and edge of rug. A lively color combination—green and purple, yellow and blue—will add interest. The walls can be painted and the floor stained. The furniture should be simple and comfortable. Mission pieces could go well in such a room.



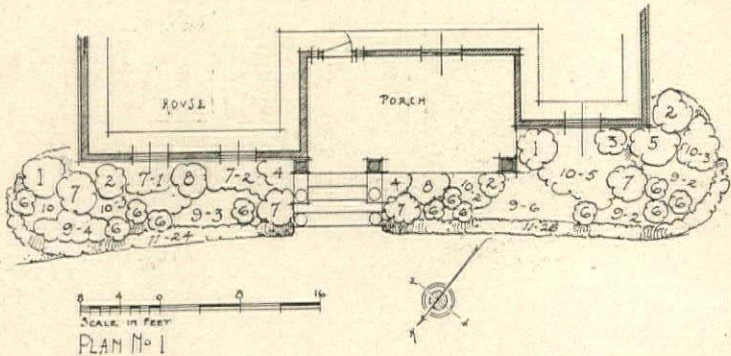
Above is another solution for the type of room shown opposite. The room is encircled with a bookshelf. In one corner an imaginary fireplace has been created around a gas or electric stove by curtains and a valance. The same fabric is used in curtaining. A striking color effect could be obtained by painting the floor a dull red and using rush colored mats. The walls can be rush color, the ceiling and the space above shelves a lighter tone, and the seats and shelves upholstered and painted in red. Such furniture as the room requires represents but a small outlay.



Problem 1 may be taken as one type of foundation planting where formality is called for by the architecture of the house. The plan is at the right, and the key to it is shown directly below

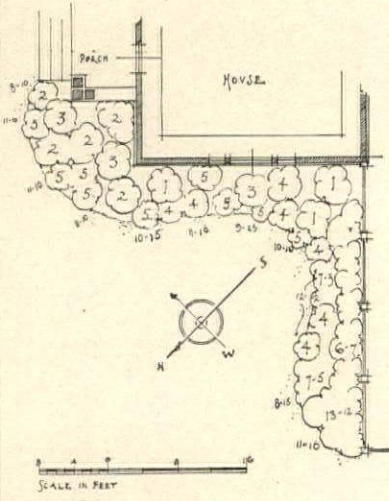


Problem 2, an evergreen planting illustrates a good combined arrangement of coniferous and broad-leaved sorts. Bulbs may face this if desired. Below, and to the left, a key and plan



PLANTING LIST FOR PROBLEM 1

	Quantity	Best stock, large sizes	Ht.	Price	Best stock, but smaller	Ht.	Price
1. <i>Thuja occidentalis</i> , common American arborvitae.	2 plants	7'-8'	\$10.00	5'-6'	\$5.50		
Of various heights, used as accents.							
2. <i>Thuja occidentalis</i>	3 plants	5'-6'	8.25	4'-4½'	5.25		
3. <i>Thuja occidentalis</i>	1 plant	3½'-4'	1.25	2½'-3'	.80		
4. <i>Thuja occidentalis</i> var. <i>Warcana</i> , Siberian arborvitae.	2 plants	3'-3½'	5.50	1½'-2'	1.50		
More spreading than the above. Also holds color better, not turning brown.							
5. <i>Thuja occidentalis</i> var. <i>globosa</i> , Globe arborvitae.	1 plant	3'-3½'	5.00	2'-2½'	2.00		
Large specimen used as accent at corner of house.							
6. <i>Thuja occidentalis</i> var. <i>globosa</i>	12 plants	15"-18"	10.00	9"-12"	3.50		
Smaller round masses at front of planting.							
7. <i>Taxus cuspidata</i> var. <i>capitata</i> , Japanese yew	7 plants	1½'-2'	9.00	9.00		
Very dark green, erect, the only perfectly hardy upright variety in the Northern States.							
8. <i>Taxus cuspidata</i> var. <i>capitata</i>	2 plants	3½'-4'	10.00	2'-2½'	3.50		
9. <i>Juniperus Sabina</i> , compact Savin juniper	17 plants	1½'-2'	16.00	1'-1½'	8.00		
Bushy, low, semi-erect, fine dark green. Contrast well with the globe arborvitae in foreground.							
10. <i>Ilex crenata</i> , Japanese holly	14 plants	2'-2½'	17.50	15"-18"	10.05		
Dense growth resembling box, but entirely hardy.							
11. <i>Hedera helix</i> , English ivy	50 plants	1 yr.	5.00	5.00		
				\$97.50	\$54.10		



SIX SCHEMES FOR THE FOUNDATION BORDER
ELIZABETH LEONARD STRANG

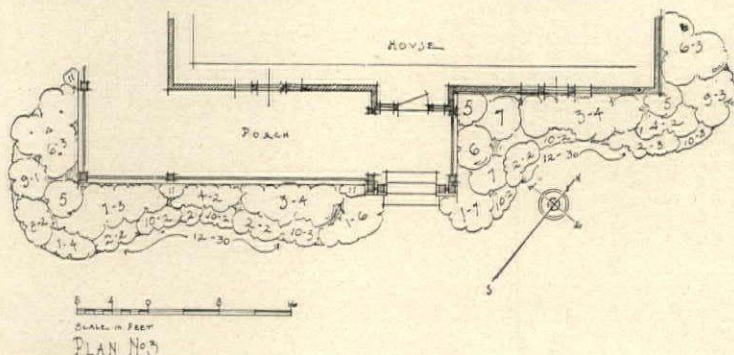
A CERTAIN amount of planting is necessary around the base of the house in order to soften the harsh lines and temper the architecture with the surrounding landscape, and to convey to the owner and the beholder alike that feeling of comfort and repose which is essential to a full appreciation of life. No other type of planting must bear such close inspection; yet, despite that fact, the majority are ill-conceived and unprepossessing.

PLANTING LIST FOR PROBLEM 2

	Quantity	Size
1. <i>Thuja occidentalis</i> , common American arborvitae.	5 plants	4'-4½'
2. <i>Thuja occidentalis</i> var. <i>Warcana</i> , Siberian arborvitae.	4 plants	2½'-3'
3. <i>Retinospora filifera</i> , thread-branched Japanese cypress.	2 plants	2½'-3'
Pendulous, bright green, thread-like branches.		
4. <i>Retinospora plumosa</i> (<i>Chamaecyparis pisifera</i> var. <i>plumosa</i>), Japanese cypress	6 plants	1½'-2'
5. <i>Pinus montana</i> var. <i>mughus</i> , Mugho pine	9 plants	1'-1½'
6. <i>Rhododendron</i> hybrid, <i>album elegans</i> , tall white hybrid rhododendron	6 plants	2'-2½'
7. <i>Rhododendron</i> hybrid, <i>Boule de Neige</i> , dwarf white hybrid rhododendron	9 plants	1'-1½'
Bulbs which might be used among the evergreens		
8. <i>Tulipa Kaufmanniana</i>	25 bulbs	
Early tulip, tall creamy white tinged rosy red, appearing in March or April.		
9. <i>Tulipa carinata rubra</i>	25 bulbs	
Dark crimson, center of petal having an apple green stripe. May.		
10. <i>Tulipa viridiflora</i>	25 bulbs	
Called "the green tulip." Pale green edged creamy yellow. May. These three unusual tulip species are especially effective among evergreens.		
11. <i>Narcissus poeticus</i> var. <i>recurvus</i>	50 bulbs	
Pheasant's eye narcissus, white with red or orange eye. Late May. A well-known favorite.		
12. <i>Lilium croceum</i>	12 bulbs	
Short, vivid orange red lily appearing in June.		
13. <i>Lilium speciosum</i>	12 bulbs	
Japanese lily, tall, pink or white, August.		



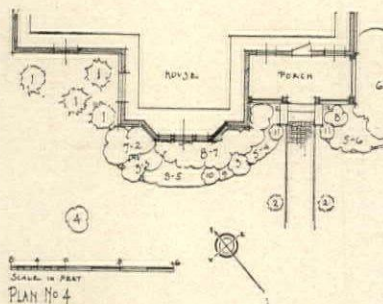
olution of Problem 3 depends
right use of flowering shrubs.
ing roses are also used, and
well chosen tulips for early
Key and plan below and to
the right



Ivy is often wrongly used, with con-
sequent incongruous effects. Here
in Problem 4, however, the Boston
variety is entirely in keeping with
the architecture and surroundings,
Key and plan below

PLANTING LIST FOR PROBLEM 3

	Quantity	Size	Cost
<i>Berberis Thunbergii</i> , Japanese	18 plants	1½'-2'	\$3.75
<i>Philadelphus Lemoinei</i> Lemoine's	10 plants	3'-4'	2.50
shrub covered with white flowers in May or June.			
<i>Spiraea Van Houttei</i> , Van	8 plants	3'-4'	2.35
Houtte's spirea.....			
medium size, drooping			
branches. Quantities of			
white flowers, May or June.			
<i>Fraxinea arborescens</i> var.			
<i>grandiflora</i> , Hills of Snow.	4 plants	2'-3'	1.40
Small hydrangea. Large			
white flowers until August.			
<i>Syringia fortunei</i> , Golden Bell.	3 plants	4'-5'	1.50
White flowers in early spring.			
<i>Hamamelis alatus</i> , Winged	5 plants	3½'-4'	3.00
Hamamelis.....	2 specimens	4'-5½'	3.00
branches covered with corky			
ark. Autumn foliage of rose			
lor, and pendant red fruits.			
<i>Hamamelis cassinioides</i> , Withe	5 plants	3'-4'	3.75
White flowers in June, fol-			
lowed by most attractive			
fruit—yellow, orange and			
dark blue in the same cluster,			
rich bloom. Medium size.			
<i>Hamamelis acerifolium</i> , Maple-	2 plants	1'-2'	.40
ed viburnum.....			
clusters of white flowers			
spring. Dark berries in			
autumn. Foliage turns pink			
and cream color.			
<i>Hamamelis tomentosum</i> var. <i>pli-</i>	4 plants	2'	1.60
um, Japanese snowball....			
White flowers in summer.			
Dark green thick foliage,			
dark bronze color in autumn.			
little tender.			
<i>Hamamelis variabilis</i> var. <i>mag-</i>	14 plants	2'-3'	4.20
a, summer lilac.....			
best variety. Flowers in			
long tassels of deep lilac			
purple. Midsummer to frost.			
hibbing roses:			
<i>Rosa</i>	1 plant		.35
Double, large flowers,			
semi-double, pale pink, in			
clusters.....			
er Moon, very large flow-	1 plant		.75
ers, buds creamy yellow, open-			
ing white, yellow stamens..			
wer of Gold, coppery gold,	1 plant		.50
ichuraiana type, smaller			
flowers than above.....			
win tulips:			
ee, vivid cherry rose.....	25 bulbs		\$1.50
erend Ewbank, lavender	25 bulbs		1.00
olet.....	10 bulbs		.85
onlight, soft canary yellow			
			\$3.35



Some common mistakes
are: overcrowding; lack of
consideration for the indi-
vidual form of the plants,
and their inharmonious
choice in regard to environ-
ment or to the type of
building which they are in-
tended to set off.

Next to no planting at
all the worst effect is gained
by too much. Some places
which have been planted
for immediate effect suffer
from overcrowding after a
few years and need the re-
moval or at least thinning
of some of the plants. In
this instance the mainte-
nance and not the original
plan is at fault. However,
many people have no idea
of what foundation plant-
ing should look like. It is
a mistake to engulf a house
in billows of planting, from
which it rises like a boat-
house amid billows of
spume; nor desirable to
surround it with formal
hedge-like lines of shrubs.
In some places the founda-
tions should be visible, and
the height of the planting
should bear a definite rela-
(Continued on page 70)

PLANTING LIST FOR PROBLEM 4

	Quantity	Size	Cost
1. <i>Pseudotsuga Douglasi</i> , Dou- glas spruce.....	7 plants	3'	\$14.00
Used at ends of planting masses to form screen.			
2. <i>Buxus sempervirens</i> , Tree box, sheared to ball form..	2 plants	1½' high 1½' spread	6.00
Formal accents each side of entrance path.			
3. <i>Ilex opaca</i> , American holly	3 plants	2'	4.50
Very handsome, hardy as far north as Massachu- setts. Only small speci- mens desirable in this location.			
4. <i>Forsythia fortunei</i> , Golden bell.....	1 plant	3'-4'	1.00
5. <i>Berberis Thunbergii</i> , Japa- nese barberry.....	10 plants	2½'-3' bushy	3.00
6. <i>Philadelphus grandiflorus</i> , Large-flowered mock orange	6 plants	4'-5'	2.50
Tall shrub for screening service at sides. Form background for spruces.			
7. <i>Viburnum opulus</i> , High bush cranberry.....	2 plants	3'	.50
White flowers in summer, followed by fruit of vivid red.			
8. <i>Spiraea Van Houttei</i> , Van Houtte's spirea.....	7 plants	3'-4'	2.75
9. <i>Viburnum Carlesii</i> , low vi- burnum.....	6 plants	1½'-2'	3.00
A new and very choice vari- ety, with heads of white fragrant flowers tinted rose; bushy habit and ex- cellent in every way.			
			\$37.25
Flowers in front of shrubs			
10. <i>Thermopsis Caroliniana</i>	3 plants		\$4.45
Clover-like leaves, yellow pea-like flowers in June and July. Robust grower and desirable.			
11. Peony, Duchesse de Ne- mours. Sulphur white dou- ble peony.....	2 plants		.50
12. <i>Clematis paniculata</i> , Japa- nese Virgin's Bower.....	2 plants		.30
			\$1.25



The soil should be well prepared in advance of transplanting time. A good sized trowel is convenient for digging the holes



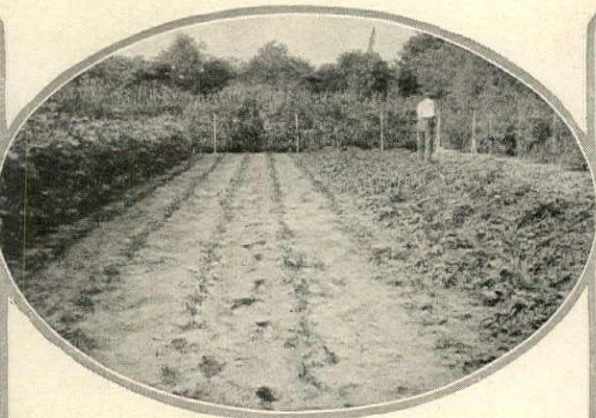
Then set in the plant, taking care not to put it so deep that its crown is even partly covered with earth



The strawberry bed, or rather, the plant must be snugly "tucked in." This is very essential to best results later on



Without a proper mulch, the berries are apt to gather particles of earth, spattered over them during rain storms



Strong as is the plant's tendency to spread it must be controlled by removing the runners. Good cultivation is also required



The summer mulch of straw goes over the fruit clusters, which are lifted to permit its being placed in position

HOW THE STRAWBERRY SEES IT THROUGH



A Year-round Photograph
Study of Plant Manners
and Customs

By WILLIAM C. McCOLL

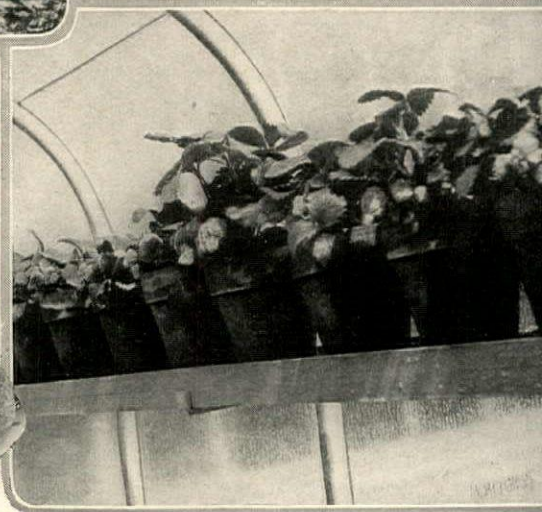


And in the fall comes the regular winter mulch, to prevent the destructive heaving of the ground during temperature changes



You can go through the bed from time to time, looking for the plant runners and removing them

Here is what you get if you follow the year's work consistently



Even in winter home-grown strawberries entirely possible if you have a greenhouse in which to grow and ripen them

SENTIALS IN BEDROOM FURNISHING

Sleeping, Beautifying Boudoir Groups

The furniture of a bedroom may be divided into three groups: the sleeping group, the beautifying group and the boudoir group.

The sleeping group consists of the bed or beds and night stand, and possibly some sort of a screen.

As, to be sure, seem no longer so diverse are their classes. There are twin beds, day beds, davenport and convertible couches. Headboards have gone out. Now one buys a day bed with heavy white spread and starched pillow.

It is such a curiosity that one asks to be taken to see and shown it. However attractive it may be, it is however attractive to become the modern day bed with cretonne covers, one must pass the passing of the day bed — although it is a curious thing — American day beds, heavy with ornate and stiff with starch. These were beds that were unfortunately, the real day beds with valances and fringed chintz or fringed seersucker and mattresses have been entirely ousted from country houses. It still remains to keep them on wintry nights.

VERSE DAY BEDS

Day beds are excellent when one wishes to use a room as a sitting-room, while the day bed for the same purpose, it looks more like a chaise longue. Made of wood, upholstered and striped, they are covered with a cretonne and silk covers of the color one wishes to bring out in a room. An iron bed—using a day bed—may be upholstered and decorated and look most charming. Besides, no one will think of its humble origin. In one room I know of that had also to be used as a sitting-room—very interesting 4' wide. The bed had wooden ends, and the middle of each end was a flat slat. Against the slat on either side were placed cushions. Before the fire one could sit either face the fire or back to it. At night the cushions were removed, leaving a 4' wide bed.

The most charming pair



The sleeping group consists of the bed or beds with a night stand and possibly a screen

AGNES FOSTER

of twin beds was made of beech, well stained and rubbed down to resemble Italian walnut. The lines were simple and straight, the head and foot boards being of equal height and open. In the middle of each was a flat simple urn motif, gilded. The covers were of turquoise blue taffeta piped with deep rich yellow. An oblong strip of the taffeta covered the flat pillows, and at each corner was a blue and gold tassel that kept the cover taut and straight. Over the windows was a deep ruffled valance and from them hung deep cream net curtains. The beds were the interesting note of the room.

In another room an unusual day bed was done in old ivory with tiny lines of robin's egg blue. The head and foot boards rounded back in an interesting fashion. An English block print was used for covering. This was repeated at the windows. The thin ivory under-curtains had a ruffle of picot edged with blue ribbon the same tone as the day bed striping. The carpet and upholstery were rose.

It is always unfortunate when a bed has to be placed at an angle, particularly when it sticks out into the room. In a room with many doors and windows this arrangement almost seems a necessity. If, however, one of the doors or windows is unnecessary, we can place the bed crosswise in front of the opening and proceed to create a draped bed.

THE DRAPED BED

First hang some soft material, sateen or silk, in straight folds from the top of the trim to the baseboard, gathering it on a rod top and bottom to hold it taut and in very straight folds. This background should cover the entire trim. If the opening is not as wide as the bed, extend the background to the required width. Fasten a 6" valance board out from the top of the trim and from this hang a straight ruffled or shaped fitted valance. If one does not wish to use a valance board, one can use a rod with a 4" or 5" projection and hang the valance from this. A second rod will have to be

(Continued on page 78)



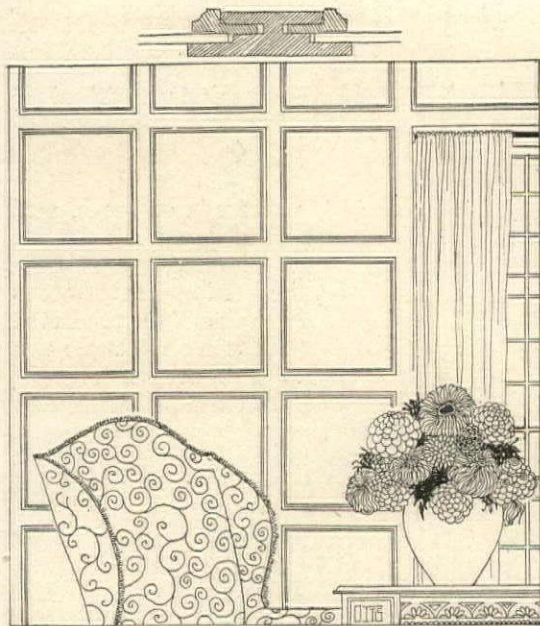
Mrs. Lorraine Windsor, Decorator

In every bedroom should be at least one comfortable lounge chair. That and the chaise longue and the dressing table constitute the necessary furniture of the beautifying group



Mrs. Lorraine Windsor, Decorator

Here beautifying and boudoir groups are combined. The dressing table and the desk constituting the respective centers. Dutch marquetry furniture is used with gold satin and gauze draperies, amethyst rug and damask upholstery



A new system of interlocking moulding for wall board panels reduces the possibility of buckling to a minimum

THE PANELED WALL

WALL board, an interior finish at once simple, useful, effective and economical, has gained great popularity. Yet, despite its many advantages, results from its use have frequently been unsatisfactory because of its tendency to expand and contract, as well as the structural difficulties sometimes encountered. To remedy these defects and to simplify installation, a new type of flange moulding has been devised.

This moulding consists of a flat foundation piece grooved into which the wall board fits, and two locking strips that complete the decorative moulding around the panel. Headers and furring strips are not required for the installation—although they assist—and nailing is reduced to a minimum. Expansion and contraction are automatically provided for by the groove so that there is no occasion for the board buckling.

A number of designs in the moulding assure the proper styles for period rooms. Stock lengths come 10', 12', 14' and 16' in yellow pine. Other designs are in oak, gum, birch and mahogany.

A WALL SAFE

ONLY opera stars and chorus girls can afford to have their jewelry stolen. The rest of us folks forego the publicity and see that our jewels are safe at night. The book-case method is a bit antiquated, and if you hide your jewelry beneath the mattress you are sure to forget it. The only safe method is to put the jewels in a safe.

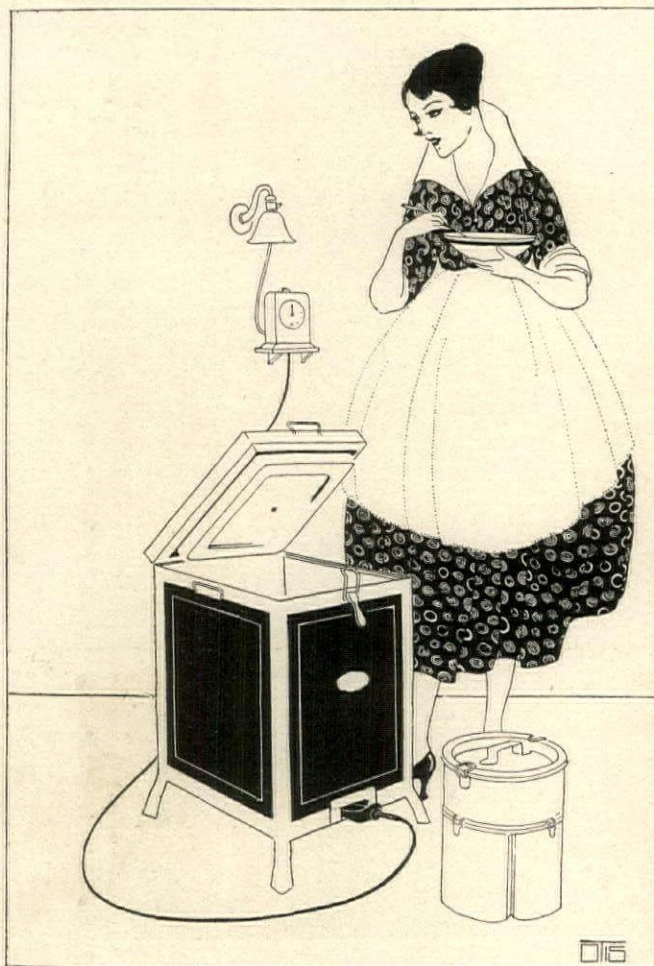
For the convenience of those who do not possess a large portable safe, there is devised the little wall safe illustrated in the center of this page. The heavy metal box, built into the wall, becomes a part of the structure. A strong steel door with a dependable combination lock will make even the most persistent burglar change his mind.

CONVENIENT DEVICES FOR THE HOUSE

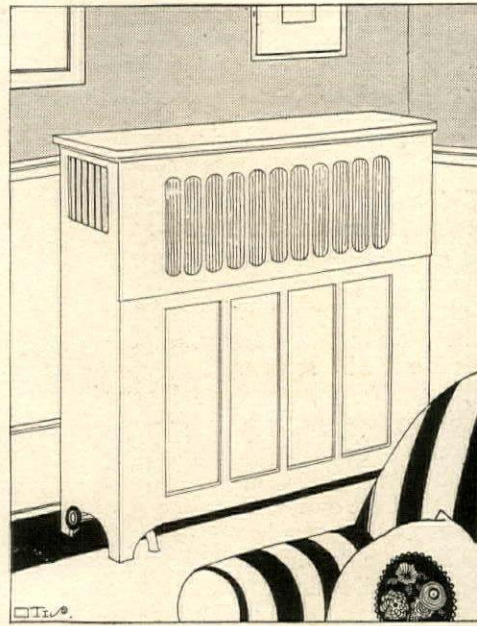
Every day some genius is devising new methods and new articles that make life more secure, the home more comfortable and labor easier. This page is devoted to such ideas. If you have the genius for such devices, remember that an idea is worth a dollar and that the Editor can be addressed at 445 Fourth Avenue, New York City



With your jewels in a wall safe, you can lie down to pleasant dreams, as the Lady of the Ruffles will do shortly



You put the food in the electrical, fireless cooker, set the clock—and go off to play bridge. At the pre-determined time, the clock stops the current and the heat does the rest



The heat can be kept at a livable level little machine attached to the radiator concealed by the radiator box

STATIC TEMPERATURE

HEATING apparatus has almost become human when it can adjust the temperature of a room of its own accord. The boxed-in radiator above looks incapable of sensitive reaction, yet the machinery concealed in one end does that. A volatile liquid, held in an hermetically sealed drum, expands or contracts upon the least variation of temperature.

Imparting movement to levers which open or close the shutters of the radiator grill. Any degree of temperature between 60° and 80° is easily maintained and the room is kept at an exact static point desired. A heat which is given out is used for the actual heating of the room.

This attachment may be applied to a radiator already in place. It consists of the machinery described above and the radiator case. If bought new as a unit, the costs complete from \$36 for a 17" radiator up to \$68 for a 34" to 48" size. In its line of cover for the radiator has decorative value that enhances the beauty of the room.

FLAMELESS COOKER

AMERICAN housewives have long since become accustomed to the advantages of fireless cooking. To the left is an electrical device that further reduces labor.

You put the meat or food in the cooking compartment and turn on the current. Then set the automatic clock to the time required. At the expiration of the predetermined time the heat will be shut off automatically by the clock, but the cooking goes right on because the improved heat contained in the cooker cooks the food. Aluminum semi-rigid containers enable you to cook two or more foods with the same current at one time, and the beauty of the arrangement is that you do not have to stand around watching. Complete with clock, \$25; without clock, \$19.75.

bril

THE GARDENER'S KALENDAR

Fourth Month



Keep your fruit trees headed low, so that you can work them comfortably without having to climb about



On wet days the tree trunks can be cleaned with a stiff bristle brush



Newly planted trees should have their trunks covered with burlap or straw



When setting shrubs, set the soil down well with your heel and water if dry



As the buds begin to swell is the time to graft fruit trees



For medium size seeds, use the edge of a draw hoe to make the row

Hand work is the way to keep the rows free from the persistent weeds



Wide drills are best made with a draw hoe, the blade being held flat

One operation covers the seeds and firms the soil properly over them



SUNDAY

Palm Sunday.

1. Lawns must be attended to, any new pieces seeded down and necessary sodding done. Don't neglect to roll the lawn. A little bone meal applied now will work wonders in a good stand later on.

MONDAY

2. Seeds can now be sown of all the hardy types of vegetables, such as onions, spinach, salsify, turnip, radish, parsley, peas, beets, carrots, parsnip, lettuce and Swiss chard. Keep all those that last all season to one side.

TUESDAY

3. New plants of rhubarb, horseradish, asparagus, Jerusalem artichoke, chives, etc., can be set out. Old beds of rhubarb should be lifted and divided, the ground thoroughly enriched with manure and the plants reset.

WEDNESDAY

4. Start hardening off in the greenhouse or cold-frame all the vegetable seedlings which were started indoors, such as lettuce, cabbage, cauliflower, etc.; also all the flower seedlings, like asters, balsams and sweet peas.

THURSDAY

5. All hardy hard-wooded forcing plants that have been forced in the greenhouse can be planted out in a good, rich, well prepared border. These plants can be forced again after two seasons out-of-doors.

FRIDAY

6. Good Friday. Sir Henry Irving born, 1838. All planting of new stock and the transplanting of trees and shrubs must be finished. Don't neglect to plant some peaches, apples, pears, raspberries, etc.

SATURDAY

7. Set out a strawberry bed now. Use plenty of manure, dig the ground deep, plant good varieties, cultivate frequently, and keep the runners picked. Thus you will have good fruit. See page 52 of this issue.

Easter Sunday.

8. By planting potatoes early, you can usually avoid damage from the summer drought. Use good fertilizer, soak the seed in formaldehyde, and keep the soil well cultivated with a harrow until the sprouts show.

9. All borders should be dug by this time. Rose beds, perennial borders, shrubby plantings, etc. should have the mulch turned under. Put a liberal top-dressing of bone meal on the roses for best results.

10. It is safe to sow in the garden now all the more hardy types of flowers, such as scabiosa, pansies, sweet peas, etc. This is for those who have not a greenhouse where the plants can be started early.

General Booth born, 1829.

11. All perennial plantings that are to be changed must be attended to at once. Don't be afraid to dig up and divide those that are advanced in growth; frequent watering will help them.

12. It is advisable to shade flowers in the greenhouse at this season of the year in order to prevent their bleaching out—a slat trellis will answer. Colored flowers, particularly carnations, require this shading.

13. This is positively the last call for spraying: very shortly the buds will burst, and it will then be too late. Carefully look over your fruit trees, roses, Japan quince, evonymus and other plants.

President Lincoln shot, 1865.

14. Place in frames for the summer all the plants in pots that you are preparing for next winter in the greenhouse, such as cyclamen, primula, antirrhinum, etc.

Titanic disaster, 1912.

15. Cuttings of all types of chrysanthemums should be made now. Don't neglect to put in quantities of the single types, as they are very useful for cut flower work. Pot the cuttings as soon as rooted.

16. Start to get the ground ready for farm crops. It should be ploughed and manure turned under. If the soil is hard use a sub-soil plow. Bear in mind that the deeper you work the better the results.

Benjamin Franklin died, 1790.

17. Start using weed killer on walks and gutters and in other places where it is not practical to scuffle. All ground that cannot be dug up should also be scuffed.

San Francisco Earthquake, 1906.

18. Don't neglect to stake and wire all newly set out trees to prevent swaying and loosening the roots. Covering the trunks with straw or burlap will also help them recover from transplanting.

19. Start planting hardy bulbous plants such as gladioli, tritoma, montbretia, lily-of-the-valley, etc. Gladioli and montbretias should be set out at intervals so that they will give continuous flowers.

20. If you haven't any melon frames, order some now. Make good, rich holes, using plenty of sod and manure, and set the frames over the hill in order to warm the soil thoroughly before sowing.

21. If your root crops such as onion, radish and turnips are bothered with maggots, grubs, etc., give the ground a good top-dressing with soot or air slacked lime. Scatter it directly on the seed drills.

22. Start cutting grass early; there is nothing gained by putting it off. Don't let it grow until it is so long that you have to rake the cut grass off the lawn; make a practice of cutting once a week, for the sake of appearance and success.

23. Successive sowings must be made of peas, beets, carrots, radishes, turnips, lettuce and spinach. It is advisable to sow these vegetables in small quantities at frequent intervals.

24. If properly "hardened off," the more hardy types of vegetable seedlings started inside can be set out now, including cabbage, cauliflower, lettuce, etc. If you have no greenhouse, you can buy plants.

25. Carnations can now be planted out in the field if the season is advanced. Be sure that the soil is well prepared and cultivate frequently. Keep the plants well pinched and spray occasionally with Bordeaux mixture.

26. Make arrangements to spray the fruit trees in flower with arsenate of lead. Do this as soon as the petals fall; if you spray when in full flower you may kill some bees which are a great aid to fruit.

27. It is now safe to plant seeds of any kind of flowers. We rarely have frost after this date, and in most cases it takes from a week to ten days for the seed to germinate. An early start is worth considering.

28. Don't put off thinning out those vegetables that require it. Hill the peas before they are damaged and stake them, and cultivate the ground between the rows at least once a week to prevent its baking.

29. If your asparagus is short the crowns are too near the surface. Hill up the row, covering with six or eight inches of earth. If the grubs are bothering the shoots, turn your chickens in the bed; they will clean the grubs out.

30. Warm vegetables such as pumpkin, squash, cucumber, lima beans, string beans, okra, corn, water melons, etc., may be sown now. If you have a continual wet spell, postpone sowing this class of plants for a day or two.

For winter's rains and ruins are over,
And all the season of snows and sins;
The days dividing lover and lover,
The light that loses, the night that wins;
And time remembered is grief forgotten,
And frosts are slain and flowers begotten,
And in green under-wood and cover
Blossom by blossom the spring begins.

The full streams feed on flower of rushes,
Ripe grasses trammel a fleeting foot,
The faint fresh flame of the young year flushes
From leaf to flower and flower to fruit;
And fruit and leaf are as gold and fire,
And the oat is heard above the lyre,
And the hoofed heel of a satyr crushes
The chestnut-husk at the chestnut-root.
—Swinburne.

This Kalendar of the gardener's labors is aimed as a reminder for undertaking all his tasks in season. It is fitted to the latitude of the Middle States, but its service should be available for the whole country if it be remembered that for every one hundred miles north or south there is a difference of from five to seven days later or earlier in performing garden operations. The dates given are, of course, for an average season.

S E E N I N T H E S H O P

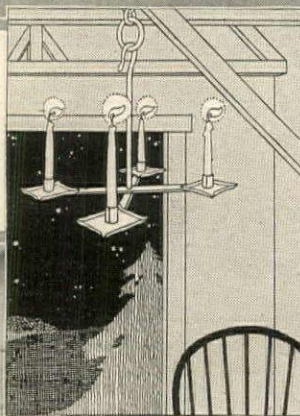


Unusual china makes a great deal of difference to the appearance of the country house table. This hand-painted place plate is in delicate colorings with variegated flowers in soft tones. The border is formed by two lines of dark green. \$2.50

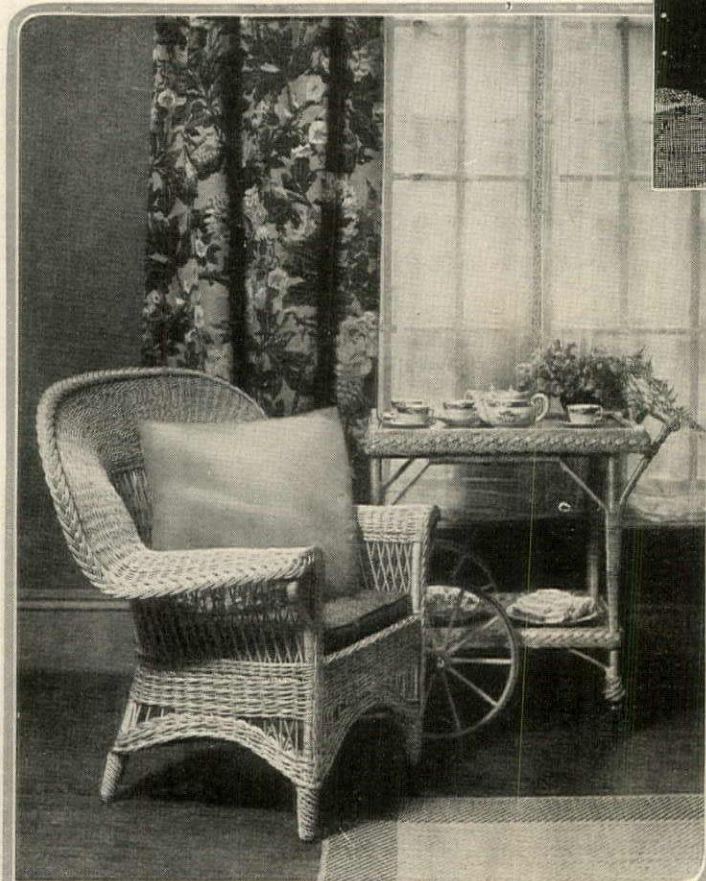
Spring comes when we begin to think of it, when we plan for the furnishing of that summer house. The shoppers have gathered these unusual articles with that end in view. If they can serve you by purchasing them, or if you would know the names of the shops where they are sold, write the Shopping Service, 445 Fourth Avenue, New York City



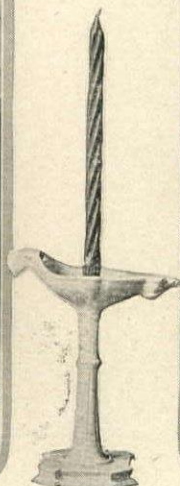
Because of its bold, gay coloring, this tea or coffee set recommends itself for the country house. It consists of a large plate tray, tea pot, sugar bowl and creamer. Tray has upturned edges and is 10" wide. Teapot, 7" high and 3" wide. It comes complete for \$22



Picture it hanging from the rough-hewn rafter of a summer camp or a seashore bungalow, this four light, wrought iron candle holder. Its simplicity of design is quite one of its charms. It measures 15" high and 21" across and costs the small sum of \$6



A summer tea grouping. Arm chair, natural willow, \$16. Cushion, \$3. Tea wagon, 28" by 18" by 29" high, \$23. Stained any color for \$1.25. Rubber tires, removable glass tray. Slightly plainer, \$16. Cretonne behind hand blocked—large blue and lavender flowers; birds in pink, black, yellow, mahogany, 50" wide, \$3.75 a yard



Here's a candle to light you to bed—on an antique design candle stick, 12½" high, of Deruta ware, which comes for \$7.50



The arm chair is guaranteed to be comfortable. Of mahogany with antique finish, 34" high, \$23. Table of same wood, dull finish, 24" high, top 18½" wide, \$22. The cretonne is cotton in lovely antique coloring. Background is dull, and the pomegranate design is in soft pink and grey, 31" wide; \$1.25 a yard



Place this on a
small table—
of green
pottery
center bor-
d. Greek key
It may be
for 50 cents

The bowl can be
had in mulberry,
blue, yellow,
green or rose.
Stand of black
glass to resemble
teakwood. \$1.50
complete

The living-room table will take this
vase of Deruta pottery in an antique
Italian shape. 12" high. \$10



The arm chair, which is of
wicker, may also be had in the
rocker form, 50 cents extra.
Seat 21" wide, 19" deep, back
30" high. \$14 in natural wil-
low. \$1 extra for staining any
desired color. The willow
stand may be used as a gar-
den basket, or in the house
for magazines. 39" high, \$8 in
natural willow, \$1.50 extra for
staining. The wicker bird
cage comes at \$8.25 and
stained at \$9.25. Behind is the
Royal Hollyhock cretonne.
Background of broad black
and grey stripes with large
floral groups in soft lavender,
purple, rose and green. May
also be had in combinations of
light tan and grey stripe with
blue and yellow flowers. 50"
wide. Price is \$3.75 a yard

In the parlance of the trade
this Brighton day bed is
known as a "super easy." It
is upholstered in down and
covered with a yellow, import-
ed hand-blocked linen, \$143.
The linen is 50" wide. The
day bed is 5' 6" long. It may
also be had in walnut, mahog-
any or oak legs as well as the
ivory. If material is supplied
the price is \$125. The screen,
5' 8" high, has mahogany
frame with a sateen filling in
all colors desired. \$12.50. The
floor lamp of black decorated
lacquer has a table in center;
4' 9" high. \$23.50. A pagoda
shade of silk with alternating
shirred and brocaded panels
—21" wide. \$30



A good garden line is a sure guide in getting the rows straight. A stick is convenient for marking them out



Few seeds are expensive, so do not economize in their sowing. Some of them will fail to germinate



Small seeds like lettuce and carrot are best sowed direct from the hand, letting them slide through the fingers

PLANTING THINGS TO GROW AND LIVE

D. R. EDSON

With this article, the fourth of a series setting down for inexperienced gardeners the things they should know about plants and plantings, Mr. Edson takes up the actual work of putting the seeds and plants in the soil. The series commenced in the January number and will continue through several more issues.—EDITOR.

WHENEVER Dame Nature gives us a real, true, gratuitous impulse, it is usually a good plan to follow it. The person who does not long to get out and plant something when the brown grass begins to green again, and the birds come back, and the earth smells sweet and clean, is so exceptional as not to be worth considering. Man flatters himself that he is helping and improving upon Nature, but that subtle dame is only using him for her own ends!

Whatever may be the secret source of that which urges man or woman to put seeds in the ground and set out plants, the work itself should be done in such a way that the seeds will grow and the plants will live. Gardening has its technical, work-a-day side as well as its inspiration. Hence the beginning gardener must devote some time to studying the technique of his avocation.

Now is the time to plant. It is in the air. Everything wants to grow—will grow with half a chance. There is only one trouble with spring as the universal planting time—it is too short. The cold nights or the wet weather or the late frosts seem to hang on interminably. And then, before one knows it, the hot, dry weather has arrived and it is too late to do many of the things which we had planned.

SHORTEN THE WORK

How can the spring planting season be lengthened? There is only one way, and that is to shorten the work. To do that, you must plant long before "settled" weather has arrived. The most important preliminary work is to know exactly and definitely what you aim to accomplish in the garden this season.

A great deal of the work which is usually left until after the planting actually begins may just as well be done a week or so beforehand. The tools should be on hand, the beds prepared and fertilized, all seeds bought and nursery stock and plants ordered before a single seed is put into the soil. If you see to all this, there will be a good chance that you will get all your planting done on time, and done with time enough to have it done carefully and properly. Otherwise there is bound to be a rush, resulting in hasty and carelessly done work.

The plant foods for your various gardens should not only be ordered but be actually on hand by the first of this month at the latest—manure enough to give a 2" or 3" coating to the garden and to work into the top soil of beds of hardy perennials, etc. If this cannot be obtained, procure "commercial" cattle or stable manure sufficient to take the place of it. These latter materials have been put through a standardizing and drying process to make them uniform. In addition to this, obtain high grade fertilizers enough to give a dressing at the rate of 400 to 600 pounds to a quarter of an acre. A small supply each—25 pounds or more according to the size of your garden—of nitrate of soda, fine ground bone, coarse ground bone, tankage or dried blood, and, if you can find any this season, muriate of potash, should be obtained in addition to the above and used as suggested in the following paragraphs.

Such plants as you may be expecting to get from a local source, both vegetables and flowers, should be selected some time in advance of your actual need of them. In picking them out, do not be guided by the size alone; the stockiness, growing condition and the hardness of the plant are all more important than the size. A plant of any kind that has grown so rapidly or under such cramped and coddled conditions that it is weak and "loppy" will receive a serious setback in transplanting, even if it is not lost. A much smaller plant with firm wood, with a good dark color, planted at the right time, will soon outstrip it in size and general thriftiness.

EARLY PREPARATIONS

The earlier you can plant such things as you will be getting from the florist or nurseryman the better. If you have given instructions that they

(Continued on page 96)



Lima beans may go in a double row wide trench. Space them about 4" each way as shown here



With the back of a garden rake the soil can be covered easily and quickly each side of the row



Watering in dry weather makes for easy work when it comes to thinning out growing plants

ON FENCES FOR THE PERMANENT PLACE

osing the Design and Material

H. P. THURSTON

otographs by courtesy of Anchor Post Iron Works

s part of the wisdom exercised by Americans
at when they build a house for a permanent
ome, they make the surroundings of that
also permanent. As quickly as possible
acquire the atmosphere of that place having
s been there and always intending to be
They transplant large trees, they make
drives and paths, and lay down lawns that
e a joy forever. Then they fence it in.
ne was when a man walled in his property.
days a garden and a lawn are considered
s one shares with his neighbor and the
s-by. And to make that boundary perma-
and to share that property with the public
is no better type of fencing than iron.
costs more than wood. Naturally. But it
longer, and there is no limit to the choice
signs to select from. It may be rigidly
e. It may have all the decorative rhythm
graced the old iron work of ancient Italy
Spain. The cost is the crux of the decision.
o those who build for permanency and plant
permanence the matter of cost is a negligible
when they come to fence for permanence.

DESIGN AND MATERIALS

fence oft proclaims the property, just as the
proclaims the man. It should be chosen
view to giving the property a fitting bound-
mark. In some instances the strictest sim-
is most desirable with only a simple elabora-
at the gates, such as a woven wire fence
iron posts and rails. In other cases the
can be elaborate, a thing of beauty in itself.
distinction between the purely utilitarian
and the fence that is also decorative is well
like and consider carefully.

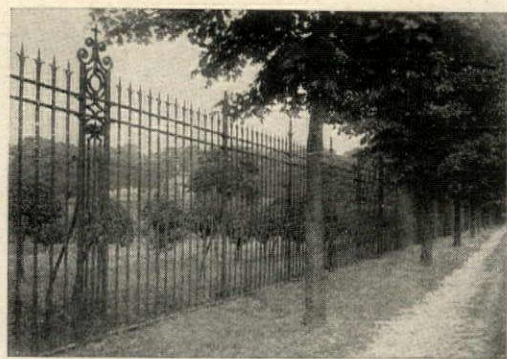
urpose of the purely utilitarian fence, be-
marking the boundary of the property, is to
out intruders and keep on the place the stock
ved there. It should be non-climbable and
early indestructible as possible. The non-
ble fence requires a barbed wire flange ex-
g from the top rail toward the road side. It
e sufficient to dissuade the most persistent in-
. The requirements for the decorative fence
e these same general principles, although its
tive capacities need not be so pronounced.
o, before deciding what fence to use, it is
ble to look into the materials employed.



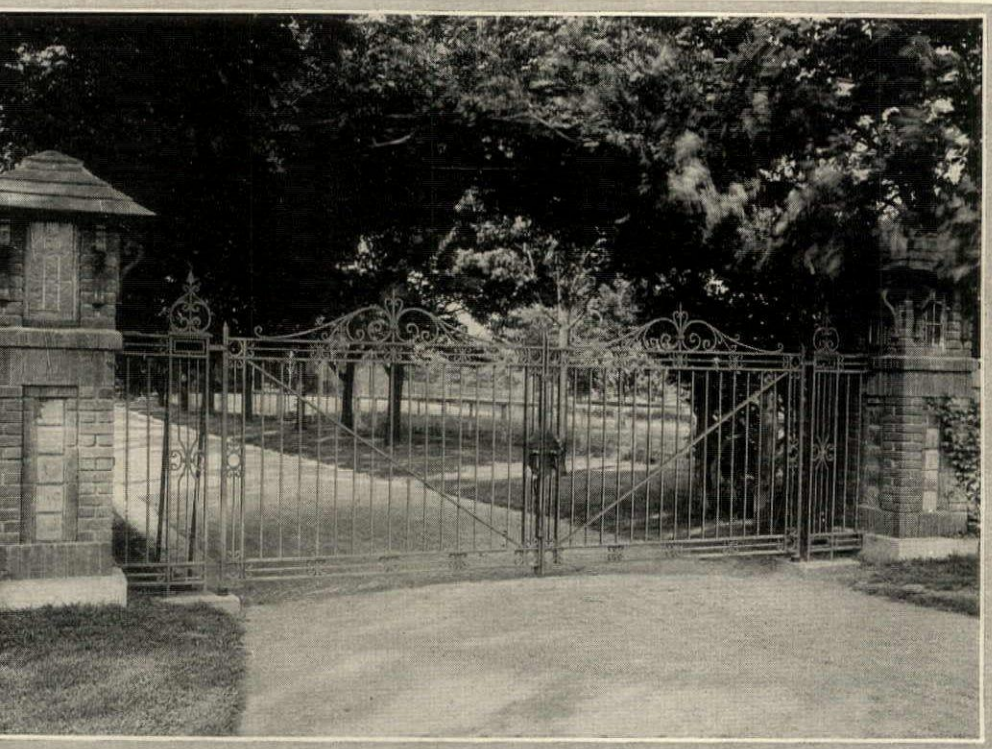
The decorative possibility of the iron gate has reached a high plane on the estate of Louis Bossert, Esq., at Bay Shore, Long Island. It is flanked by low evergreens and has a background of noble trees that make it a charming transition between the street and the garden, having some of the characteristics of each



A simple design with acorn posts is found on the property of Mrs. Florence Alker at Great Neck, Long Island. It gives a pleasing uniformity of fencing



A more elaborate fence surrounds Castle Gould at Port Washington, Long Island. Both utility and decoration are combined in the decorative posts and plain bars



The gate is the logical accent point in the design of the fence. It can be elaborate as on the Bossert estate or simple as in the property of W. J. McCurdy, Esq., at New Brunswick, New Jersey

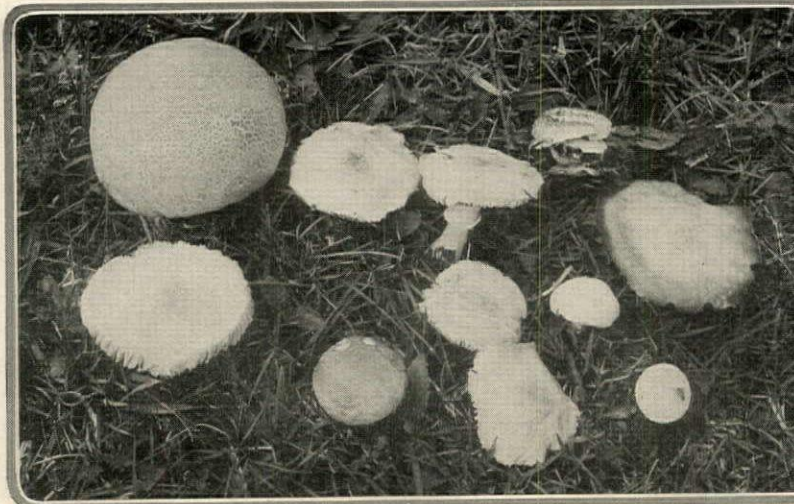
The permanent fence must be constructed of material that will resist the decaying influence of the elements. In all cases it should be galvanized iron covered with a coat of rust-resisting paint to make the safety doubly secure. The posts should permit of such secure anchorage that they will resist sagging and wind pressure. Upon the posts will depend much of the permanence of the fence, in appearance as well as usefulness.

These are the main facts to be considered whether one is contemplating the fencing of an entire estate or only such small plots as a tennis court or a garden.

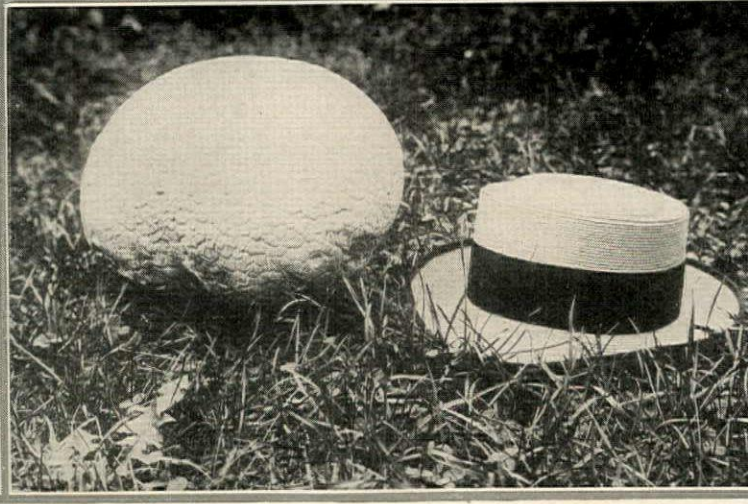
As to Cost

The cost of such permanent fences ranges from \$.68 a lineal foot for the woven wire type up to several dollars a foot for the elaborate designs. To this item must be added the cost of labor which in different localities will fluctuate. The lay of the land and the nature of the soil are also factors in computing the cost, since the posts must find firm anchorage, whether the soil be clay or rock, and there are the occasional obstructions that cannot be overcome.

Picture the fence as it will be in place on your land, and you find that there are several accessories that will add to its effectiveness. These may be a privet or barberry hedge set a foot or so back from the line of the fence, stone posts over which vines are trained, or in the case of the woven wire fences, rambling roses. In other words, the fence is but a factor in marking the boundary. Its hard, cold iron must be tempered with the warmth of flowers and foliage. It is a transition between the street and the garden and should have the characteristics of both.



Pictures can seldom be relied upon in identifying mushrooms. But here, in the upper left corner and lower right, are large and small puff-balls



Sometimes it is literally as large as a man's head. This giant edible puff-ball. It matures during late summer and early fall, in open situations.

KNOWING THE WILD MUSHROOMS

ORIN CROOKER

THE best way to make a beginning in the study of mushrooms is to secure a thoroughly reliable manual on them. Browse through certain parts of this before making any effort to gather specimens, though on first sight it will appear no more intelligible than a classic in the original Greek or Hebrew. But it is essential to secure a preliminary knowledge of the different parts of these fungus growths, and this the book will help you to gain without leaving your sitting-room.

By studying the plates and illustrations in the book you will become familiar with the anatomy of the mushroom, and learn to know its parts.

FIRST STEPS IN IDENTIFICATION

This elementary knowledge may seem confusing enough, but it will give an idea of what to look for when gathering the first specimens. You will expect, of course, to make no use of these for food no matter how well the description may appear to tally. Indeed, some students never attempt to use the edible mushrooms until they have spent at least one season in study and observation. This, however, is not strictly neces-



The common edible mushroom, both in a wild state and under cultivation, is *Agaricus*. There is some resemblance between it and the poisonous *Amanitas*

sary. There are a few varieties in almost any vicinity about which there is little or no question. The student soon becomes familiar with these. Using them for food—once he has become acquainted with them—will serve to keep up his mushroom enthusiasm.

It is impossible to record in a popular article the characteristics by which the edible mushrooms as a class may be told from the poisonous fungi. There is no set and fast rule to follow. Further than this, however, is the fact that specimens of the same species differ so much that any directions set forth here might be very readily misconstrued by the ambitious amateur.

There are many so-called "tests" published from time to time in the press and in circula-

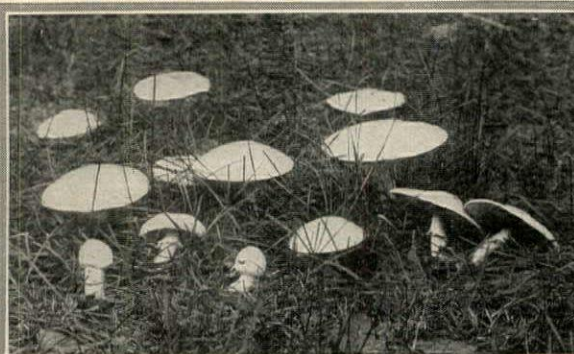
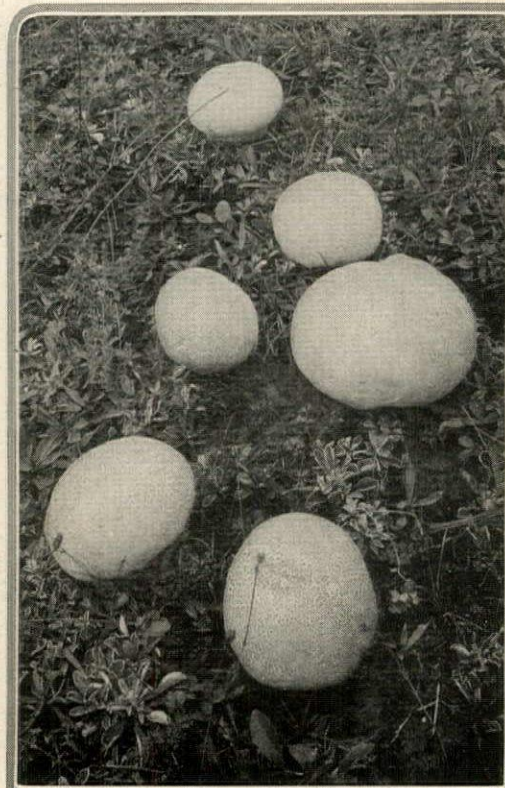
Some Common Edible Species and What They Are Like

tion by word of mouth. Without exception are to be avoided. The so-called "poisonous death cup" rule that any species springing a cup or socket at its base is poisonous is an unsafe guide. Not only are there non-forms which have no such "cup," but often gathering mushrooms a poisonous variety break off at the base in such a way as to appear that it did not possess such a cup in reality it did. The popular idea that a spoon or onions or anything else when cooked with mushrooms, will turn black if any poisonous specimens are present, is also a fallacy. and other tests being in error, there remains one road to a knowledge of mushrooms, and that is the path of study and observation.

PUFF-BALLS AND OTHER EDIBLE SPECIES

Among the first of the edible fungi with which the beginner is likely to become familiar are those of the puff-ball family. There is a chance of making a serious mistake with these since all the white puff-balls are said to be edible if eaten before the flesh within begins to turn from the pure marshmallow white which

(Continued on page 80)



When *Agaricus* is fully grown it opens out into umbrella shape. At first it is a mere "button" as shown in the foreground above

Not infrequently the puff-balls grow in groups. One or two of these big fellows would be sufficient for a family of four

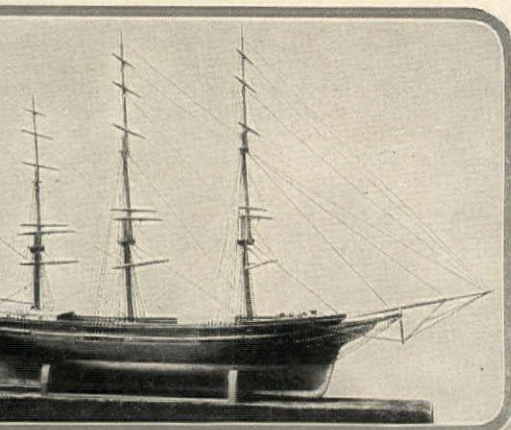
The *Pleurotus* genus, growing invariably on live or dead wood, includes some of the most palatable of the fungi family



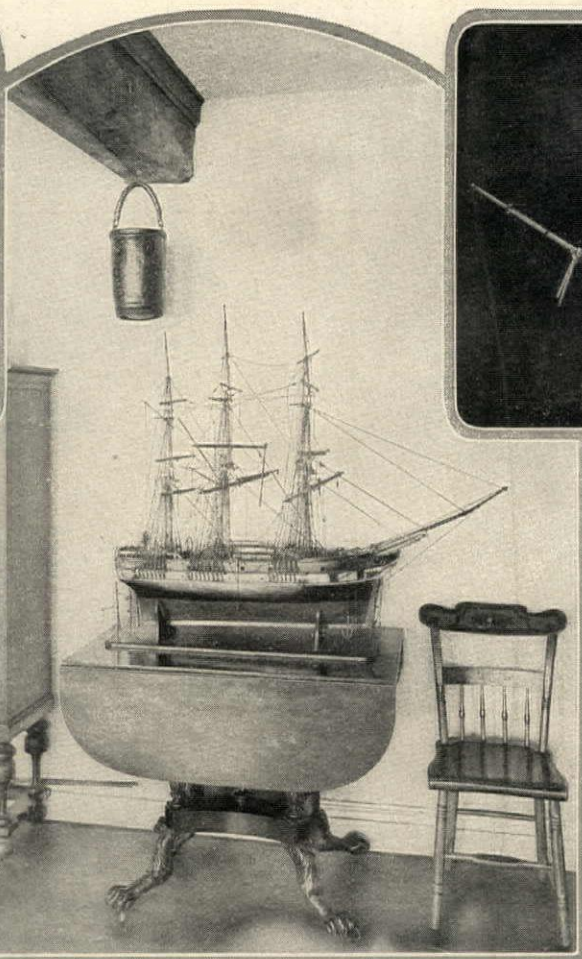
SHIPS THAT NEVER WENT TO SEA

Old Models Now in Demand for Decorations—
Their Makers and Their Use

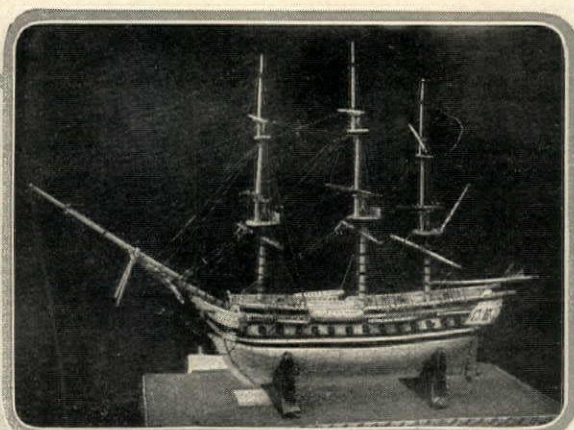
COSTEN FITZ-GIBBON



*...were the days of clippers"—
the Red Jacket, which sailed from
Hook to Liverpool in thirteen
days. She was built in 1863*



*In the living-room a ship model affords a fine spot of action
and interest. It can stand on a table or shelf or be hung by
wires from the ceiling beams. Complete in every detail of
gear and stick, it will bear even careful inspection at close
range, while its effect as a whole is always striking. Model
by courtesy of Charles Platt, III, Esq.*



*There's a fine romance behind this
frigate which was made early in the
last century by French war prisoners
from bones saved from their meals*

HERE is something about the sight of a ship that lays hold of and captivates the imagination. Matters not whether the ship be a full-sized craft that "goes down to sea" bearing those "that occupy business in great waters" and running the network of commerce port to port, or whether it be a little model; it carries with it a spell whose fascination neither the habitual globe-trotter nor the sea-dreading stay-at-home can resist. The inherent grace of line in hull and, if it be one of the old craft, the forest of rigging and spread of canvas silhouetted in relief against the sky, hold the eye in an almost irresistible attraction. All this, there is a compelling sense of mystery about a thing fashioned to meet and battle with the forces of nature, forces too strong for us to tame to our bidding and to our puny efforts. The rectitude and to which we must, perforce, accustom ourselves. These wholesome emotions of wonder and admiration and the memories of a few threads of romance too, are woven forth in just as reality by the models, which enjoy such an abiding share of popularity as by the keels actually plough the seas.

SAILORS' VOTIVE OFFERING

What are these models and why they made?" The answer is many-just as many-as the conditions called them into being and in order to an intelligent explanation of their existence one must be permitted the indulgence of presenting an historical retrospect. The ending of our story is shrouded in the mists of antiquity. In Egypt,

in ancient Greece and in the early days of Rome's maritime greatness, seafaring men were wont to dedicate offerings to the gods either to propitiate them and ensure safety to themselves from the perils of the deep or else in thanksgiving for an escape from death by shipwreck. These first votive offerings seem to have been in the form of sea-stained garments hung up in the temples or at shrines, but they eventually gave place, in part at least, to the models of ships which were suspended in a conspicuous position.

This same time-honored and picturesque custom was transferred from the old pagan days to the Christian era and, persisting through the ages, became widely prevalent in the 15th or 16th Centuries and remained thereafter in habitual practice. In the seaport towns and fishing villages of Brittany, Normandy and Holland, especially, but also to some considerable extent in England and in various parts of the Continent, ships' models as votive offerings were suspended high in air before the altars and shrines in cathedrals and churches. Those who have seen them thus displayed can never forget how strikingly graceful and impressive they always are.

BLESSING THE BOATS

In Catholic countries their votive use has continued to the present day, even as it was in the "ages of faith." To cite but one specific instance, throughout the length of the nave and aisles of the Church of Saint Pierre, in the Island of Saint Pierre just off the south coast of Newfoundland, ships' models are hung in mid-air by long chains depending from the roof, and these votive offering ships have a very vital meaning to the inhabitants of the island whose livelihood is based upon the harvest from the sea. Every year at



As mantel decoration for the library or man's room, few objects have such value as a good model. It lends a sense of strength, with not a little tang of the sea. This is shown by courtesy of Mrs. Charles Platt

Rogation tide there is a solemn procession, in which all the islanders join bearing banners or candles, from the church to the quay where the *abbé*, attended by his assistant clergy and acolytes with crucifix, censer and candles, gets into a shallop and is rowed a little way out into the harbor where he blesses the sea for its harvest of fish and prays for the safe return of those who are about to set forth with the fleets for the banks. It is an exceedingly solemn and touching ceremony; the people's all is bound up with the season's catch of fish and there are perils a-plenty ahead for the hardy fishermen, perils from which some of them are almost certain never to come back. This ceremony of blessing the sea for the fishing is exactly comparable to the old English Rogation tide procession to bless the fields and "beat the parish bounds." The significant thing to our immediate purpose is that an important feature of the procession is a ship's model—a new one is made every year—which is carried with great state to the quay and then, after the ceremony, is returned to the church as a votive offering and hung up in the silent navy along with its predecessors of foregoing years. The same practice, with slight local variations, prevails in plenty of other places. In Protestant countries, although this votive significance has ceased, the popularity of the ships' models has more or less continued in certain localities.

OLD SALTS' HOBBY

Quite apart from any religious connection, there were various other occasions that gave rise to the making of ships' models. Many a seaman, too old to follow the sea any longer, has whiled away monotonous hours by making a model of the ship whose rigging he climbed in his lusty prime, reproducing with painstaking care and exactitude every well remembered detail. Some of these models, pathetic little labors of old men's love and pride, are admirable examples of skillful workmanship. So also are many of the models made as a diversion during enforced idleness or confinement by prisoners of war, especially some of the French sailors held prisoners in England in the latter part of the 18th Century. Some of these accurate and beautifully made models are constructed entirely of bits of bone gradually accumulated from the meat supplied with the daily food and it often required months of patient waiting to secure a bone large enough for a mast or spar. The fragments of bone were whittled into proper shape, nicely fitted, polished and riveted together until, at last, the finished model appeared, a monument of patience and skill although it was sometimes less than a foot in length.

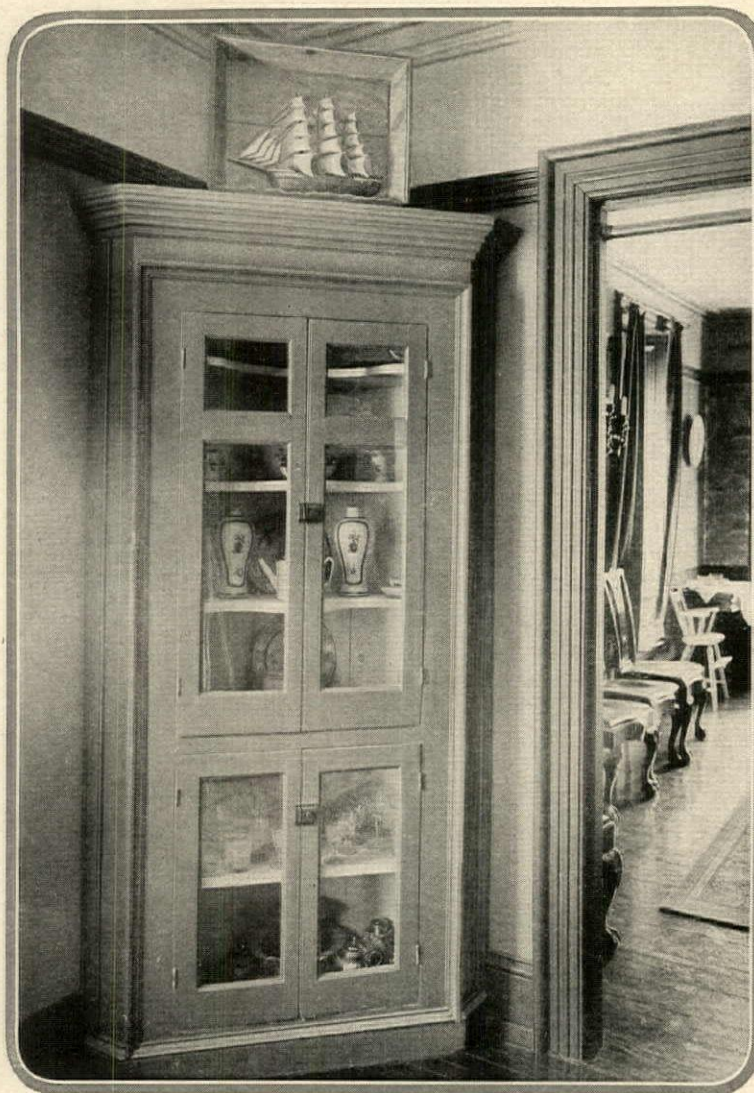
A careful student and collector of these models states that "it has been estimated that some of the ships took from two to three years to build and are without doubt not only the handsomest but most accurate models conceivable."

Of scarcely less interest and almost incredibly deft workmanship are some of the ships' models to be found hanging from the ceiling, until very recently at any rate, in several old London waterfront taverns, bartered by sailors on shore leave in payment of a score or as the price of a night's carousing with a party of cronies.

SHIPWRIGHTS' MODELS

Equally interesting as examples of craftsmanship and mastery of nautical design, though not invested with the same picturesque associations as some of the specimens just noted, are the models made by shipwrights in the 18th and early 19th Centuries. They are marvels of accuracy and were produced at considerable expense. There is record of one such shipwright's model, made in Pennsylvania for a ship owner preparatory to laying the keel of a great clipper ship to be constructed precisely like it, that cost upwards of \$600, and doubtless there were plenty of others, made under similar conditions, that cost as much or more.

In the early part of the 19th Century it was frequently the practice of marine insurance companies, both here and in England, to require of the ship's owner a model of his vessel before insuring it and this model was deposited in the insurance company's office, or occasionally in the ship owner's counting house, fitted into a cradle or stand so that it could be placed on top of a bookcase or desk. While this custom lasted, many of the finest old square-rigged ships were being built and their models docked in office havens only to be neglected and forgotten by the busy world. It is no uncommon thing, even today, to find some of these models occupying places of honor in the offices of the older marine insurance companies, thanks to the homage of a few admiring souls who, one after another, have cherished them for nearly a century.



Sometimes the models were cut in half and mounted, as here, in a shallow box realistically painted. Courtesy of Joseph Patterson Sims, Esq.

While the usual material of their construction is wood, they were also made of sundry other substances. Bone models, made by French prisoners of war, have already been mentioned. Occasionally a tiny model is found executed in ivory. Then, again, others were fashioned all of metal. The writer heard the other day of one Dutch model made entirely of pewter and, now and then, the precious metals played their part. In size the models range from 6' or 7' in length down to veritable miniature dimensions. The usual size, however, of the old models is from about 18" to 3' in length. It must be remembered that not a few of these old models are not merely images but really *models* made faithfully to scale in the minutest particulars, and this fact can only increase our respect for the skill of those who fashioned them.

Nearly every kind of craft that ever floated is represented in the models of one period or another and of various nationalities—Chinese junks, Spanish galleons and caravels, high-pooped English and Dutch merchantmen of the 17th Century, 18th Century "ships of the line," square-rigged East Indiamen, schooners, everything in

fact down to the most modern of motor and sailing yachts and cruisers.

It is only recently that the collecting of models has obtained a wide popular vogue in a quiet and less extensive way they have been cherished and collected by a few individuals and institutions for many years past. The oldest largest collection is that in the Rijks Museum, Amsterdam, where a large room is entirely devoted to displaying them. Their present commercial value is of late growth. Although of the shipwrights' models represent the of considerable sums in their original condition, the majority of ships' models for years had only such financial value as the chose to attach to them or some isolated acquirer was willing to pay for the pleasure of acquisition. Now the conditions have wholly changed; the models are fetching prices even being higher and higher and reproducers are making models for which they receive anywhere from \$600 to \$1000 or more.

THEIR DECORATIVE VALUE

To anyone at all familiar with ships' models their tremendous individual decorative value must be perfectly obvious, so obvious indeed, that it would be merely saying coals to Newcastle" to set out the sundry reasons for and justifications of this quality. It is not be amiss, however, to point out several ways in which we may properly employ ships' models to decorative advantage. Fitted into a cradle or stand they may be the tops of such pieces of wall furniture as bookcases, secretaries, boys or cabinets or even upon a table conveniently placed.

Again, there is many a place where a model would make, all by itself, an admirable mantel garniture, especially where there is a plain panelled white fireplace to act as a foil.

Still another way, and a fairly common way it is, of displaying models is to hang them by a cord from the ceiling as was done in churches with the votive ships. In this way they seem to have a living charm and individuality when fixed in a rigid cradle. In a large room this method is to be followed, if it is possible to do so, no more advantageous or fairer than of using a ship's model corner devised than to hang it in an alcove or stair well. Here it could be viewed from below, from a level and above by those going either up or down the stair.

GOOD PLACES FOR THEM

The accompanying illustration suggests various other applications of the models to decorative purposes and visibly emphasizes the fact that

model enthusiasts are to be commended for their wisdom in reviving interest in a rich resource we all too blindly disregarded until the present vogue began.

To be sure, one would scarcely care to place a ship model, however small, in a boudoir or a room of the formal lines of a period drawing-room. They are not fit settings for anything as full of the life of the open as these miniature frigates and galleons, with the details of their originals so faithfully reproduced to the last stick and bit of gear. They mean do they call for a niche surrounded by other spoils of the sea, but they do merit, and at their best in a place of intrinsic strength which they bring an added touch of atmosphere as refreshing as it is unique.

In addition to the uses already suggested for these ship models, in dining-rooms, stair wells, and other situations where they will show to advantage, mention may be made of their peculiar appropriateness for the real man's room. The study room inevitably expresses its owner's characteristics and tastes. Rare indeed is the outdoors man who does not feel at least a secret longing for a miniature ship. If his hobby is sailing, then the modern models or, in many ways superior to them in the impression they make, the old-fashioned craft some of whose originals made seafaring a record in the old sailing days of three generations ago.



W. & J. SLOANE

Interior Decorators

Floor Coverings and Fabrics

Furniture Makers

FIFTH AVENUE AND FORTY-SEVENTH STREET, NEW YORK

WASHINGTON, D. C.

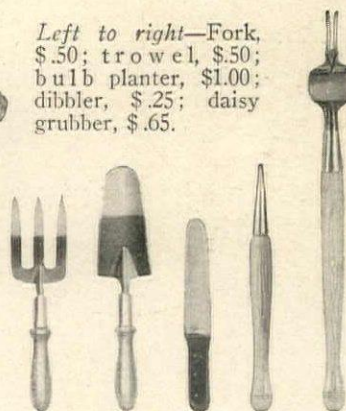
SAN FRANCISCO, CAL.

For Your Garden

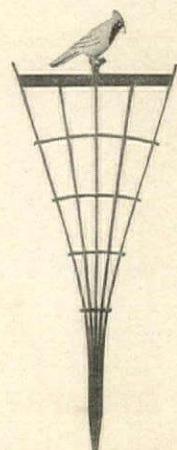
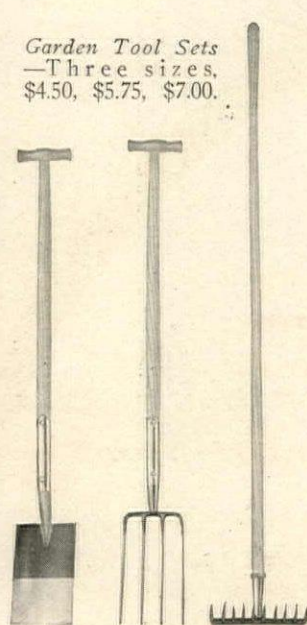


Wicker Garden Basket, complete with tools as illustrated, \$10.50.

Left to right—Fork, \$.50; trowel, \$.50; bulb planter, \$1.00; dibbler, \$.25; daisy grubber, \$.65.



Garden Tool Sets—Three sizes, \$4.50, \$5.75, \$7.00.



This Garden Trellis is painted green with the figure of the bird in colors. It comes in two sizes. 24 inches high, \$2.00; and 30 inches high, \$2.75.

THIS year let your garden be a real success. Don't let it deteriorate into a tanglewood of good intentions. Nothing can make your home more attractive than flowers; nothing can make your table more appetizing than fresh vegetables. And nothing can bring results like the proper tools. You will find them all here.



Garden Bird Bath, of decorative stoneware on a pedestal. The height is 18 inches and the price is \$12.00.

LEWIS & CONGER

45th Street and 6th Avenue
New York

Bucks, Frills and Horseflesh in Old English Prints

(Continued from page 40)

Dear old prints, they are as human as cronies; all the gossip and scandal of their period is in them. And the gossip is as fresh and diverting to-day as when it was first whispered, or our dollars would never have sacked a couple of English centuries for the sake of the prints thereof.

I know dull dogs who prose about the main interest of old prints lying in the method of reproduction, and not in the subject reproduced. That is all my eye, dear reader, take it from me. Those old boys have doddered after the technical details of processes until they are no longer conscious that a print is a picture. At the liveliest it is a diagram to them, a mere plan.

Tut, tut, the play's the thing, as ever.

I promise you I have seen one of those spectacled technical sharps snooping over a batch of joyous sporting prints, and sourly sorting them according to the kind of reproductive process used (line, aquatint, lithograph, and the devil knows what), with never a grin on his lean, old visage. There is some truth in the plebeian observation that it takes all sorts to make a world.

The old prints are simply the results of an early instinct for kodakery. The bucks and blades of a dozen decades ago had no cameras so they sensibly set Mister Engraver to work to preserve pictorial memos of frolics afoot, ahorse and acoach, if I may say so. And the engravers took the tip and made a mint of money at it, I hope. Maybe some of the old prints caused trouble when they were new, just as a scandalous snapshot will. It is a moot point whether the Duke of York would have taken out the lovely Miss Clark in his curricule that bright afternoon in 1810 had he known the event was to be perpetuated in a print. For all I know he might have obtained the consent of the Duchess first, but then again, he mightn't. Anyway, the print fetched a good price in New York last week.

To take off the raw newness of a room, to ripen it, and even to pervade it with a vague air of the ancestral, commend me to a few old coaching prints of generations ago.

"The Brighton Mail," "Ready to

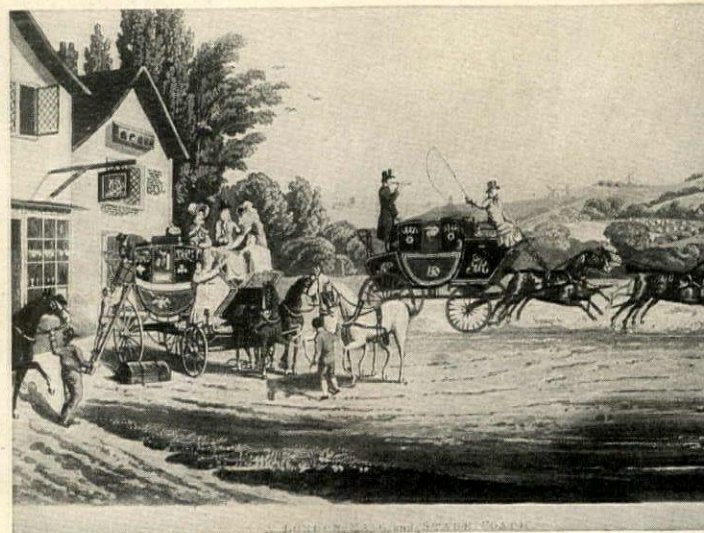


After a hard day of it, behold—Sportsman! His neckcloth and boots disheartening. Some people simply look untidy

Start," "Changing Horses," "Passengers at Breakfast," "Mouth Inn Yard," what a splendid, imaginative reminder the very titles start. Stuff you to factful folk who will tell you the old days were very unmanageable, and indulge, with Thackeray, a fine manly lament at their

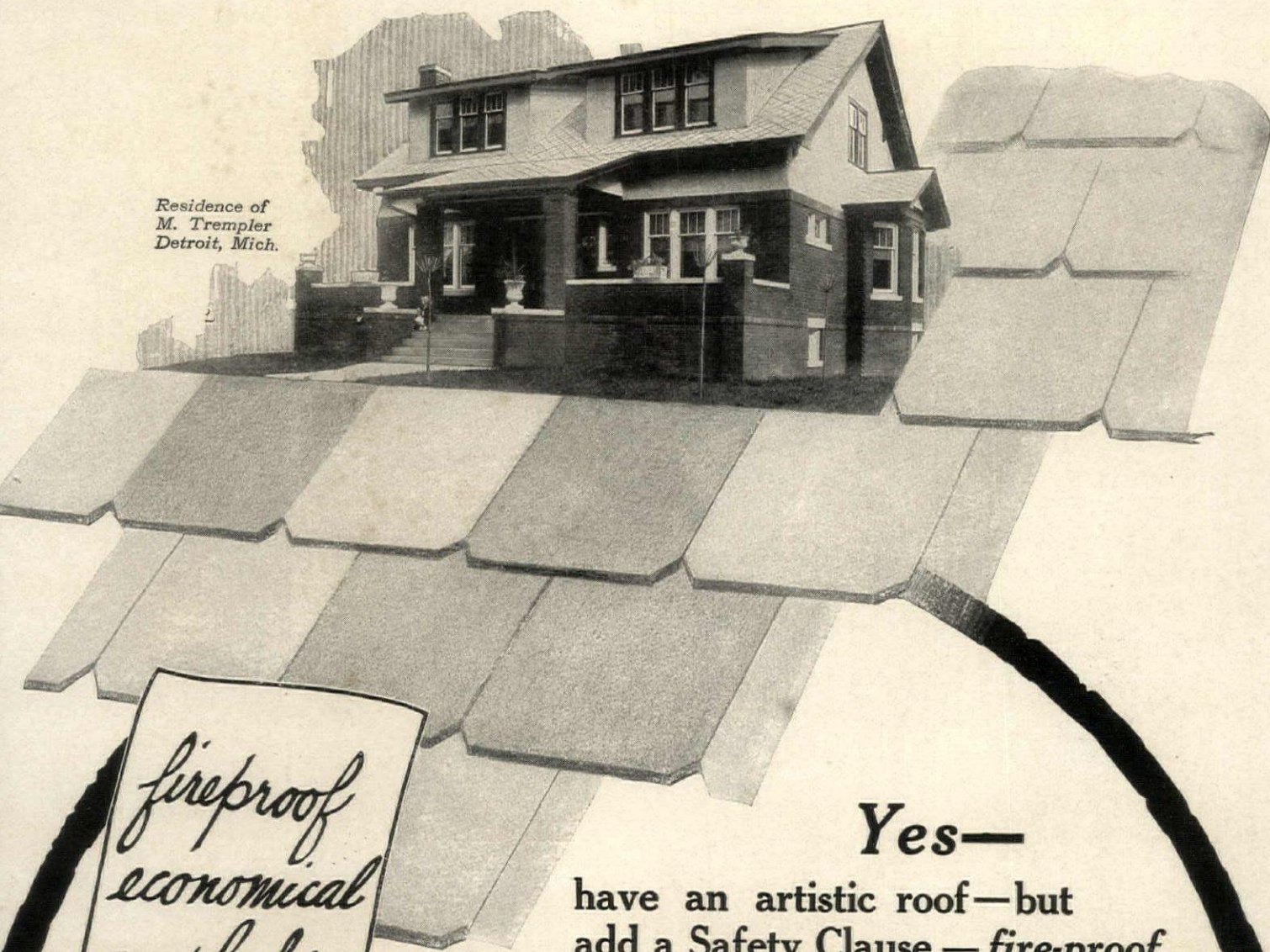
"It must have been no small pleasure to sit even in the great kitchen of those days, and see the tide of kind pass by. What fun to the Captain ogling the chambermaid in the wooden gallery, or bribing the know who is the pretty young tress that has come in the coach packhorses are in the great and the drivers and ostlers caw in the tap. And in Mrs. Langbar, over a glass of strong port sits a gentleman of military appearance, who travels with pistol in the rest of the world does, and rattling gray mare in the which will be saddled and away its owner half an hour before 'Fly' sets out on its last day. And some five miles on the way the 'Exeter Fly' comes jingling creaking onwards, it will suddenly be brought to a halt by a gentle gray mare, with a black velvet face, who thrusts a long

(Continued on page 66)



Fresh horses! Up with the luggage! The lady wants a drink. With a crack of the whip and a toot of the horn the Mail Stage Coach goes swagging off to London!

Residence of
M. Trempler
Detroit, Mich.



*fireproof
economical
good looking*

Yes—
have an artistic roof—but
add a Safety Clause — *fire-proof*

AFTER all, it is a roof you are building and a roof has many responsibilities that all fall on the material you choose. Bad weather and changes of temperature bring repair bills and painting costs. Sparks from your chimney, or someone's burning house, may bring disaster.

So you must go further with the decision than to say just "fire-repellent shingles" because the fire-repellent shingles can burn. The **FIRE-PROOF** Shingle — J-M Transite **ASBESTOS** Shingle — will not. Add up all the requirements and put all the emphasis your mind can summon on the thought of fire safety. And you'll insist on J-M Transite Asbestos Shingles. You can have all the choice of shape and color, any style of laying — all the roof beauty you please, without the expense of the tile roofing or the weightiness of slate. Like all other Johns-Manville Asbestos Roofings, these shingles are backed by

Johns-Manville Roofing Responsibility

Under this policy your roof can be registered on the roofing records of this company. It is, then, our obligation to see that your roofing in service is all that was promised when it was purchased.

J-M Transite Asbestos Shingles are examined, approved, and labeled by the Underwriters' Laboratories, Inc., under the direction of the National Board of Fire Underwriters.



Here's a booklet
on Shingles. It is sent free. It is
full of worth-while facts on
Shingle Roofs—tell us where to
send it.

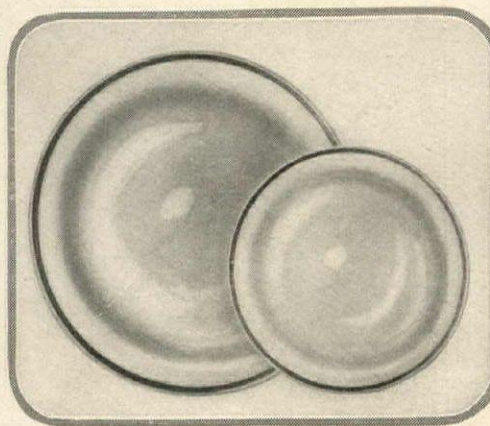
H. W. Johns-Manville Co.
New York City
Branches in 55 Large Cities

JOHNS-MANVILLE

Transite

ASBESTOS SHINGLES

ATTRACTIVE WEDDING GIFTS



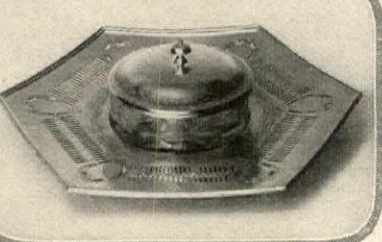
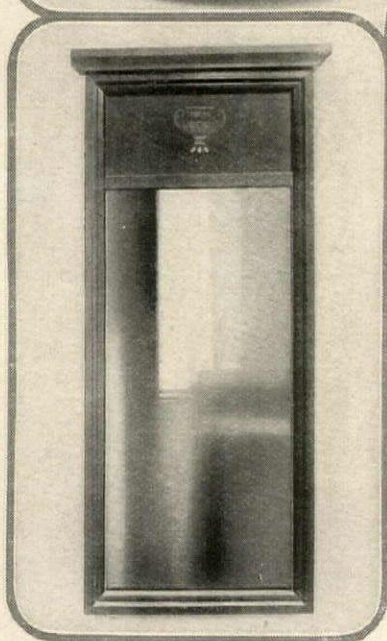
An unusually low figure is the \$6.50 asked for this Chop Set of a platter and twelve plates. The Greek key design of black is on a coin gold band.



A fashionable way to serve candies is in this new Glass Candy Jar, attractively decorated with light blue, black, or yellow enamelled band and pink roses. In the pound size the price is \$7.50; to hold three pounds, \$10.00.



Handwrought Sheffield is distinctive, and this after-dinner Coffee Set is a splendid example of this ware. The price, for sugar bowl, creamer, pot and tray, complete, with the monogram free, is \$25.00.



Sheffield Ware possesses the unique advantage of being both rich in appearance and low in cost. Particularly desirable is this Cracker and Cheese Set in pierced design, Butler finish, at \$10.00. The Cheese Dish itself is of engraved glass.

Mirrors are always welcome as wedding gifts, and this Mahogany Mirror at \$3.50 may solve a gift problem for you, in a most economical way. It is 22" high and 9 1/2" wide.

IF it seems to you as if everybody were getting married, by all means come to Ovington's for the necessary wedding gifts. With so much to choose from, making a selection will be quite painless—and quite as easy on your purse.

Send for the Ovington Gift Book.

OVINGTON'S

Fifth Avenue at 32nd Street

New York

Bucks, Frills and Horseflesh in Old English Pro

(Continued from page 64)

into the coach window, and bids the company to hand out their purses.

I saw two more fine prints up for sale recently. One was "A Scene in Kensington Gardens, or, Fashions and Frights of 1829." The other was "Elephant and Castle on the Brighton Road."

The first was a pippin; as a satire on the modes of the day, perfect. One naturally expected the broad humor of balloony crinoline and grotesque male dandyism, but the absurd, empty pretentiousness of the expressions upon the faces of the people was more subtly and satisfyingly funny, richly suggestive, as it was, of the laughable contents of their minds. These were the Mayfair macaroni of the period, the exquisites of the Four Hundred, as far removed from the solid stuff of the nation as any clique well could be.

One dolled-up beau is depicted in the act of pushing the ball of his fancy cane into his mouth, an improbable posture at first blush, but looking closer you see its naturalness. He has just winked at an attractive damsel passing by with her father, the old boy noticed it, frowned ferociously, and Dick the Dasher is covered with embarrassment; seated there on the park bench he pretends to be contemplatively sucking the ball of the cane, but it won't do, he does it too determinedly, and he reminds one of the nervous little girl who gathers up fold after fold of her frock as she lisps before company, for the first time, the history of Mary and her little lamb.

The other was a coaching scene of 1826, and showed a famous roadhouse where the stages pulled up. At that date the "Elephant and Castle" was probably the last stop from Brighton before running into the metropolis, being several miles in the country, but if my memory serves me well, it's a mighty short way "on the

Brighton Road" now, as the title London has swelled out like a turkey cock and gobbled it up.

You are a trolley-car term now, "Elephant and Castle." death, what a drop!

Among the prints of older merrie England coaching scenes first in favor, by long odds, and fortunately there are many hundre them to be had. Coaches in all of predicaments are seen, "Way Without a Pilot" (the tea the Liverpool Royal Mail has fright and is running away full without a driver), "Mail-Coach Flood," "A Mail in Deep Storm," "Mail-Coach in a Thunderstorm Newmarket Heath," "Mail B Time" (some speed and excitement here, I give you my word, for Manchester Coach is passing a with the horses stretching out good 'uns), and, mighty topic present, "Stage Coach with the of Peace."

This last is dated 1819. The Coach with six horses is crossing bridge at full speed, displaying ners with the word "Peace," announcing the news from the Congress Vienna. Much more exciting wiring the news, isn't it?

And what a tender tale there that print recently sold for one dred dollars, entitled: "A Alarm on the Road to Gretna —'tis only the Mail."

My, that's a print to take o wall one winter evening when snow drifts are heaping up too ly outside for the youngsters' 'Tis only the mail coach, an fleeing elopers thought it w pater coming after them hel leather to regain his daughter.

Look at Grace there with sl eyes, a romantic American scho She didn't think of old prints way.

"Isn't there a Gretna Green in Jersey, Daddy?"

What a Fifty-Foot Garden Will Grow

(Continued from page 33)

the flat side of the board. Drench the hotbed with a watering pot having a fine rose spout that will not wash out the seed.

Seeds for transplanting should be sown in one-third of the hotbed the latter part of February or the first of March. The young cabbages and Brussels sprouts may be set out in the open ground when they show two or three true leaves; but tomatoes, egg-plants and peppers must wait until all danger of frost is over, while celery is not transplanted until after a good rain the last of June or the first part of July.

Very early lettuce and radishes may be sown in the other two-thirds of the hotbed. By using the lettuce for the table as soon as the loose leaves are big enough, the plants are thinned out, which gives the later lettuce a chance to form heads. From June until September the hotbed takes a rest, the only time it is empty. It comes into use again when late lettuce and endive, planted in the open ground in August, are set out in the hotbed in late September, for table use in early fall, winter and spring.

The space between the hotbed and side fence will be large enough for two rows of rhubarb, four plants to a row, the rows 3' apart, the plants 18" apart in the row.

Between the raspberries and the central garden walk, starting 3' from

the berries, lay out a strawberry bed of twelve rows, the plants 2' each way. This will take one dred and twenty plants, which s be given hill culture to produce finest berries. There are man cellent varieties, but, after h grown a number of them, I con the Marshall berry better than other. It is a heavy yielder of large size, good shape and fine f The ever-bearing strawberries good, and worth trying.

THE VEGETABLE ROWS

Two feet from the lower end the strawberry bed, transplant a of ten peppers, 2' apart. F these with cabbages, Brussels sp and egg-plants, in three rows, apart, the plants 2 1/2' apart in row. This leaves a space 12' between the egg-plants and the fence. Six feet will be used fourteen asparagus plants in rows, 3' apart. To make the furrows 2' deep are dug, then in to a depth of 18" with ma with 3" or 4" of dirt spread o of it. The two-year-old roots put in so the crowns stand 4" below the surface of the ground long stringy roots spread out in layers at right angles so they lie flat in the row, covered wi or 4" of loose soil. This leave plants in a slight depression

(Continued on page 68)

Are you fooling yourself about your trees?

ARE you making the dangerous mistake about tree surgery that was made by the owner of the tree shown here—*(Small photograph No. 1 below.)* and the following facts—they may prove revelation.

The owner of the tree shown here thought Tree Surgery was merely a matter of filling cavities with cement—something which almost any clever fellow could do. The result to his trees was costly and disastrous. Davey Tree Surgeons found that the tree (Photo. 1), which the owner thought had been saved, was in a really critical condition—decay continuing unchecked and the fillings. The entire work had to be torn out and done again—*done right*. Photographs Nos. 1, 2, 3 and 4—a typical tree—the story. (See descriptive matter under photographs.)

Tree Surgery a Specialized Science

Many owners sometimes confuse Tree Surgery with Forestry. These two professions are as widely separated as dentistry and medicine. A Forester is trained to deal with trees in mass, culturing them primarily for lumber. As Bernard E. Fernow, Dean of the Faculty of Forestry, University of Toronto, says: "The forester grows trees *not* to be served, but to be harvested."

A Tree Surgeon, on the contrary, is interested in the individual tree; to prolong its life is his sole aim. He knows little or nothing of forestry and is entirely unequipped in training and experience to cope with its demands.

Tree Surgery is a worthy profession doing a great amount of work. But to entrust the saving of priceless specimen trees to a Forester is in itself to result in disaster.

In real Tree Surgery, there is only one safe way to go—to Davey Tree Surgeons.

Davey Tree Surgery Is Safe

—because it is time-proved; its record of successful performance for thousands of estate owners spanning a generation.

—because no Davey Tree Surgeon is allowed responsibility until he has conclusively demonstrated his fitness. He must have served his full term of thorough, practical training and scientific instruction in the Davey Institute of Tree Surgery—a school, the only one of its kind in the world, which was conducted for the specific purpose of drilling our men according to Davey methods and Davey ideals.

—because Davey Tree Surgery has been endorsed as *best* by the United States Government, after exhaustive official investigation.

—because Davey Tree Surgeons are *picked* men, highly trained, conscientious, intelligent, courteous in love with their work.

—because the Davey Company is a successful responsible house, amply able to make good in any instance and not needing, for the sake of its very existence, to sacrifice in the slightest details high standards.

Four typical letters from hundreds by satisfied Davey users.

Archibald H. Bull, Pres., A. H. Bull Steamship Co., New York City:

"I am very much pleased and satisfied with your work."

A. P. Lovejoy, Janesville, Wis.:

"Your work is efficient and scientific, your men capable and business-like."

Mrs. Susan Wheeler, Bryn Mawr, Pa.:

"The work you have done for me has been entirely satisfactory. I fully believe that it has added to the life of my trees, for which I am very thankful."

F. E. Atteaux, F. E. Atteaux & Co., Inc., Boston, Mass.:

"I am pleased to say that your work is perfectly satisfactory in every way."

Write today for Free Examination of Your Trees

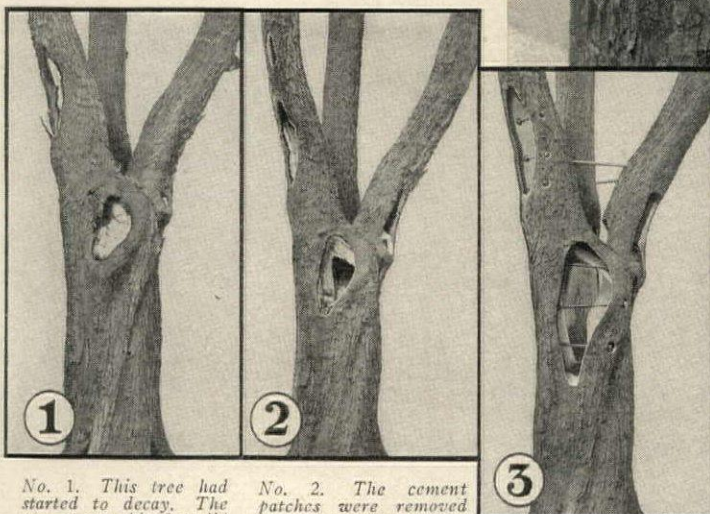
—and booklet, "When Your Trees Need the Tree Surgeon." What is the real condition of your trees? Are insidious diseases and hidden decay slowly undermining their strength? Will the next severe storm claim one or more as its victims? Only the experienced Tree Surgeon can tell you fully and definitely. Without cost or obligation to you, a Davey Tree Surgeon will visit your place, and render an honest verdict regarding their condition and needs. Write today.

The Davey Tree Expert Co., Inc.,
504 Elm Street, Kent, Ohio

(Operating the Davey Institute of Tree Surgery, Kent, Ohio)

Branch offices, with telephone connection: 223 Fifth Ave., New York; 2017 Land Title Bldg., Philadelphia; 450 McCormick Bldg., Chicago.

Permanent representatives located at Boston, Newport, Lenox, Hartford, Stamford, Albany, Poughkeepsie, White Plains, Jamaica, L. I., Morristown, N. J., Philadelphia, Harrisburg, Baltimore, Washington, Buffalo, Pittsburgh, Cleveland, Detroit, Cincinnati, Louisville, Chicago, Milwaukee, Minneapolis, St. Louis, Kansas City. Canadian Address: 81 St. Peter Street, Quebec.



No. 1. This tree had started to decay. The owner saw this, but did not realize that it required scientific treatment. So he allowed an untrained man to "patch the holes" with cement. This "patching" was worse than useless—it was positively harmful.

No. 2. The cement patches were removed by Davey Tree Surgeons, and there was revealed an appalling condition of disease and decay. The tree had become a mere shell, liable to crash to pieces in any severe storm.

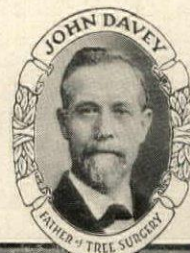
No. 3. Davey Tree Surgeons removed every particle of decay, disinfected the entire cavity to destroy the existing disease, thoroughly waterproofed the inside, cut watersheds to exclude moisture and carefully braced the shell mechanically.

No. 4. Here is the finished result of science plus skill. The strength of the tree, destroyed by decay, has been restored by mechanically perfect Davey methods. The filling was put in by sections to permit the normal sway of the tree without cracking the filling. The new bark is growing over the edges of the filling and in time will cover it entirely. This tree is now in perfect health—permanently saved—responding gloriously to the marvelous skill of Davey Tree Surgeons who know how and why.

Davey Tree Surgeons

FOR SAFE TREE SURGERY

Every real Davey Tree Surgeon is in the employ of the Davey Tree Expert Company and the public is cautioned against those falsely representing themselves



Only Three Steps in the NATCO Wall

*Quickly erecting the tile.
Applying attractive stucco outside.
Applying plaster inside.*

HOUSE BUILDER! Note the speed and economy, and above all, the safety of construction with

NATCO·HOLLOW·TILE

Frank Chouteau Brown, the noted architect, says: "Stucco houses, with walls of Natco Hollow Tile, are the most permanent and satisfactory."



Natco construction is cheaper than brick or concrete, and, while more expensive than flimsy and dangerous frame, the resulting economies in maintenance and insurance will in the course of a few years pay for this initial increased outlay.

Natco should be used, not only for walls, but for floors and partitions—throughout the house.

Natco is cooler in summer and warmer in winter, saving coal bills, thanks to its blankets of dead air contained in the cells of the tile. It is vermin-proof, damp-proof, and, most important of all, absolutely fireproof. Think of Natco as a service, free to all architects, engineers, contractors, and to you.

Send ten cents for the interesting 32-page book, "Fireproof Houses." It will show you how other discriminating people have erected beautiful houses with Natco—for comfort, economy and safety. For your protection, look for the imprinted trade mark "Natco" on every tile.

NATIONAL FIRE-PROOFING COMPANY
492 Federal Street, Pittsburgh, Pa.

*Natco Residence
at Plainfield, N.J.
Architects
Marsh & Gette
New York*



Rustic chair, genuine cedar wood, artistic, comfortable and insect-proof, \$4.00.

THE CALL of SPRING HAS COME and the GARDEN LURES US ONCE MORE

We recommend rustic cedar furniture to add harmony and comfort and a quaint charm to your gardens and lawns

The articles illustrated can be shipped direct to you by us. Catalogue B-3 shows various styles of rustic cedar furniture, from which you may be able to get many suggestions. It is free, write for it.

JERSEY KEYSTONE WOOD COMPANY
TRENTON, NEW JERSEY



Robin house, a perfect home for this delightful bird. Only \$1.00



Blue Bird house, waterproof and just the thing for this charming summer bird, \$1.00

What a Fifty-Foot Garden Will Grow

(Continued from page 66)

gradually fills up with cultivation, which must be regularly and thoroughly given so the bed will be kept free from weeds. Not until the second year should the stalks be cut, and then for only about three weeks from the date of the first cutting; otherwise the plants will be weakened. The following season, and afterwards, the cutting period may last from six to eight weeks, and the bed, if properly cared for, will last twenty years.

The other side of the garden may be given over entirely to annual vegetables. Beginning at the end nearest the house, plant three rows of early peas, following them with celery when the peas are gone, the rows $2\frac{1}{2}$ ' apart. The next three rows, the same distance apart, may have beets, carrots and turnips, with lima beans in the following four rows, the hills $2\frac{1}{2}$ ' apart. Eighteen tomato plants, 3' apart each way, may occupy the next space, with early peas between the rows, which will be gone before the tomatoes would shade them too much. Plant string beans in the next two rows, followed by late sweet corn in hills $2\frac{1}{2}$ ' apart. Early sweet corn, followed by late bush beans in the remaining rows, finishes the vegetables, except for squashes and cucumbers which are planted between the back fence and rear line

of fruit trees, squashes on one cucumbers on the other.

A garden so planted should \$30 to \$40 worth of vegetables first year. When the rhubarb, asparagus and fruit begin to bear receipts will be more than double. Rhubarb, strawberries and raspberries will bear well the second year from three to five years for peaches, plums and grapes to bear crops. But when they do, the pleasure of waiting is forgotten in the pleasure of gathering perfect fruit from own trees.

Rhubarb plants may be had for cents each or three for a quarter. Asparagus roots for a cent apiece, strawberries for \$1 a hundred; raspberries and currants, 10 cents apiece; grapes, two for a quarter; trees for 10 to 25 cents; plums, pears, 25 to 35 cents each, according to size and age. Vegetable cost very little—\$2.50 would buy required for a 50' garden. The outlay for the first year would amount to approximately \$25. The cost of the hotbed and permanent plantings, expenses which would be incurred again, leaving the expense for the ordinary kitchen garden \$6.50. This does not include the price of any labor except manure and early spring spading.



The Delicate Beauty of Chinese Porcelains

(Continued from page 29)

reigns of Yung Ching and his celebrated son, Ch'ien Lung, who lend name to the period from 1723 to 1795, sustained the perfection of Chinese porcelain. The decadence of the art begins with the Modern Period, from 1796 to the present.

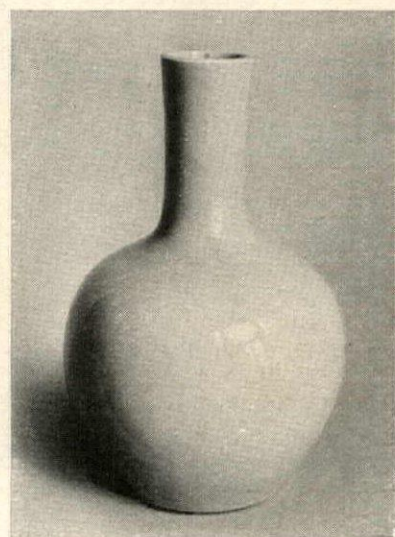
The marks on Chinese porcelains are various in character and come under one or more of the following divisions: marks of date, hall-marks, marks of dedication and good wishes, marks in praise of the piece of porcelain inscribed, symbols and other pictorial marks and potters' marks. It is not necessary here to go into the intricacies of these, but they furnish a fascinating study.

This, too, is true of the designs that are to be found on the decorated pieces of Chinese porcelain. The casual observer will pick up a piece and admire or dismiss it on the judgment of the general impression it makes upon his artistic sensibilities. Not so with the con-

noisseur who takes into consideration color, texture, glaze and, quite as much as these (so far as intellectual interest is concerned), the story design tells.

The porcelains of China, like sword-guards of Japan, offer native artists a vast wealth of material for logical and folk-lore subjects. Symbolism and occasion are cemented in Oriental thought and the collector of old Chinese porcelains finds their decoration particularly significant, however absorbing and unrelaxing.

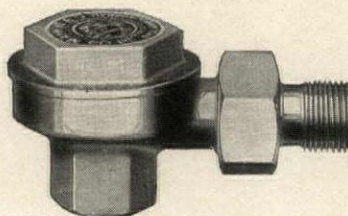
Since the time of Elizabeth, the beauty of the decorative value of porcelain in China, and no time they sunk guard. Rare are no longer apt to be hidden away acquired posy. At the same time possession of a single and so knowledge of the evolution of ceramics led to a more interesting.



A bottle vase of gorgeous gold tawiness, with lights like old mahogany. Yung Ching Period



Put your House in Order



DUNHAM Radiator Trap

This device is one of the fundamentals of the DUNHAM VAPOR HEATING SYSTEM. It is the trap known the world over to heating engineers as the device that revolutionized Vacuum steam heating. Leading architects everywhere use it.

HAD your home been Dunham heated this would have been a winter of comfort, of health and of economy. Radiators would neither have knocked nor pounded. Each room would have been comfortably, cozily warm, every hour of every day. The consumption of costly coal would have been amazingly low.

You could have mechanically kept the whole house at any desired degree of heat all through the day and at another and lower temperature during the night. And without going near the cellar.

Whether you have decided to build anew, to move or to abide where you are, now is the time to plan to put your house in order against the rigors of next winter by installing Dunham Heating.

A steam fitter can Dunhamize a home. While the first cost of the Dunham Vapor Heating System is not the lowest figure at which heating equipment can be bought, in the end it is the cheapest. Write for full facts now. Ask for our free book, the 3 H's; it is of absorbing interest.

The DUNHAM VAPOR HEATING SYSTEM

The C. A. DUNHAM COMPANY, Marshalltown, Iowa

DIVISION SALES OFFICES: Chicago New York San Francisco

BRANCHES:

Boston	Washington, D. C.	Cleveland	Louisville	Davenport	Kansas City	Denver	Spokane
Rochester	Birmingham	Detroit	Milwaukee	Des Moines	Fort Worth	Cheyenne	Portland, Ore.
Albany	Pittsburgh	Indianapolis	Minneapolis	St. Louis	Dallas	Salt Lake City	Seattle
Philadelphia							Los Angeles

C. A. DUNHAM COMPANY, Ltd., Toronto, Canada

Branch Offices: Halifax Montreal Ottawa Winnipeg Vancouver

Garden Necessities That Repay You

BUSHES, plants, vines, must have some kind of support and protection in order that they may grow most luxuriously. The best for the purpose, the one that combines beauty in itself as well as proper construction for endurance, is always the cheapest in the end.

Trellises and bed guards repay many times over in plants, blossoms and foliage. The Excelsior Rust Proof Trellis on the end of the porch shown here not only supports the vines, but is ornamental as well. The bed guards are of the same make—same construction and materials. These

EXCELSIOR
RUST PROOF

Trellises and Bed Guards

are made of heavy, tough, springy steel wires, which are held at every intersection in the viselike grip of the Excelsior Steel Clamp, a patented feature. AFTER making, the whole fabric is galvanized by the Excelsior Process, that not only

makes it rust proof, but thoroughly and completely solders it into one rigid mass.

These trellises won't buckle, droop or sag. Winds and shock have no effect on them. They can be taken down and used over, and will last for years.

To insure getting full value for your money, ask your hardware dealer for these products. We also make Excelsior fences, tennis fences, tree guards, gates, and similar garden necessities. We will cheerfully send catalog C on request.

WRIGHT WIRE CO.
WORCESTER, MASS.



Be cautious in your foundation plantings of evergreens—the form and color are both strong. Problem 5 shows one situation in which they are logical, contrasting pleasantly with the tapestry brick of the house walls

Six Schemes for the Foundation Border

(Continued from page 51)

tion to the architectural features. In regard to form we have three types of shrubs—known as accents, fillers, and facers. The first named are used in groups to give height and strength at harsh, bare corners, and are balanced at entrances in pointed or globular shapes.

FILLERS AND FACERS

The intermediate shrubs or "fillers" are for mass effect and should be of varying heights, nicely adjusted to the location of the windows, doors and bare spaces. Furthermore, they should present throughout the year individual interest in the texture and color of the foliage, and a variety of fruit and flowers. Not all shrubs can be used for this purpose, for some which are attractive when viewed from a distance and in large quantities are entirely too harsh for such an intimate use, or too large.

The third class, the "facers," are used in front of the intermediate shrubs to hide bare twigs or soil at their base, and to provide firm, compact edges and corners to the general mass.

Before drawing the planting plan it is best to sketch on the elevation drawings of the house an outline of the planting as it will ultimately appear, high at the corners or to screen the service portion, low under the windows, and balanced clumps or specimens at the entrance.

Many mistakes are made in choosing the plants for their climate or particular environment—that is, in regard to sun or shade, dust and smoke, soil and exposure. We see rhododendrons shriveled in the winter sun and evergreens dried by icy blasts, when they crave shelter or at least a temporary protection of pine boughs. We see snow from the roof and walks heaped upon tender, slow-growing evergreens when sturdy Japanese barberries would survive without a protest. Flowering shrubs which would flourish in the sun are forced to languish and dwindle in the shade.

Even more fatal than

the wrong choice in regard to environment is a mistake regarding architecture. For some houses a small and highly refined type of green planting is the only one appropriate, as in Problem 1. Again in Problem 5, the texture of tapestry brick is admirably complemented by the evergreens. For the latter it is best to choose few of a uniform dark green color to avoid a heterogeneous mixture of golden and silver-leaved sorts, which are in bad taste and often not logical.

The most satisfactory evergreens for planting immediately around the base of the house are, for tall medium size effects, the red cedars, the arborvitae, and one or two species of Retinospora; and for facing these, Japanese yews, Mugho and various species of dwarf junipers. Of larger trees, hemlocks or firs successfully with tall deciduous shrubs when used to frame the side of the house or cut off a view of the garage or drying yard.

(Continued on page 72)



Problem 6 involves a dignified type of house. Rhododendrons require either complete naturalization or real dignity

THE STEPHENSON
LYNN, MASS.

Underground Garbage Receiver

installed at your home in the early Spring Clean-up—means less danger from infantile paralysis germs. Eliminate the dirty garbage pail.

SOLD DIRECT

SEND FOR CIRCULAR

Look for our Trade Marks

C. H. STEPHENSON, Mfr., 20 Farrar St., Lynn, Mass.



HOYT'S NURSERIES, NEW CANAAN, CONN.

We are in the midst of a very fast growing community, and by buying Nursery Stock near at home you can have the same delivered by Motor Truck, right to your grounds, all freshly dug.

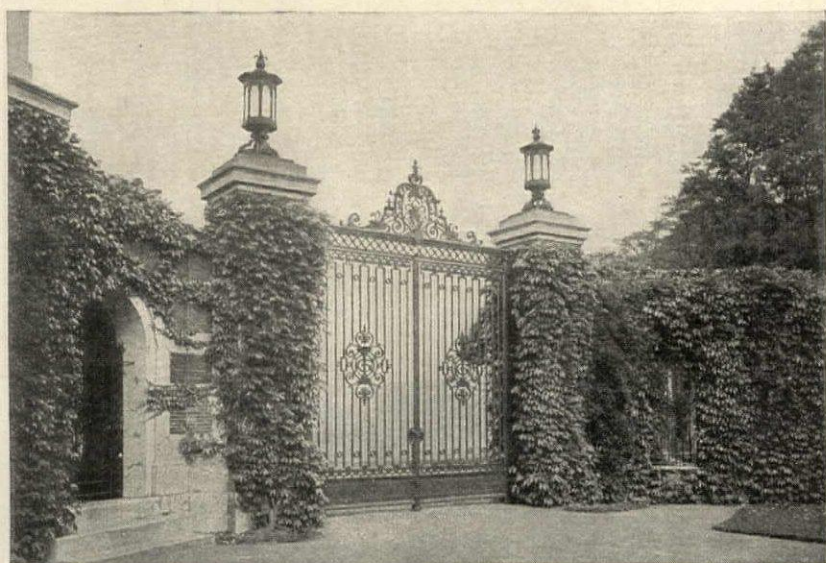
Come to the Nursery and select your own trees as we have a large assortment of Ornamental Deciduous trees and Evergreens in all sizes, Herbaceous plants, Perennials, Roses, Hedge plants, in fact, everything to make the home grounds attractive.

It is time now to arrange your work for Spring and if desired we can have our Landscape Architect make you a planting plan of your grounds.

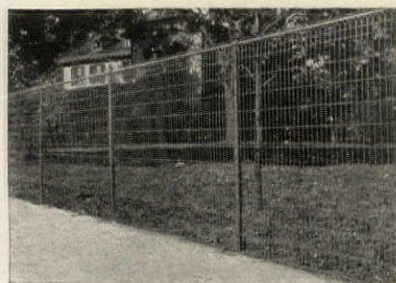
Do not hesitate to call upon us for assistance as our services are at your command. Write for one of our descriptive Catalogues. Address,
THE STEPHEN HOYT'S SONS, CO. Telephone 333 New Canaan, Conn.



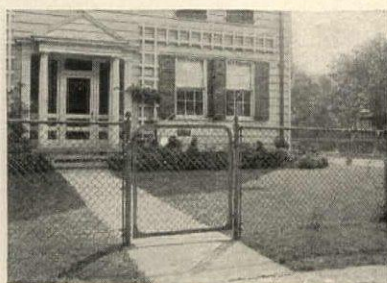
ANCHOR POST Entrance Gates and Fences



WROUGHT IRON ENTRANCE GATES AND RAILINGS



UNCLIMBABLE FENCES



LAWN AND GARDEN FENCES

STRENGTH, correct proportion and perfection of every mechanical detail are typical of Anchor Post Fences and Gates.

Expert workmanship is as evident in one of our simple wire fences as it is in heavy, ornamental wrought iron entrance gates.

In buying an Anchor Post Fence or Gate you are assured of superior workmanship, because each new installation is designed to maintain the reputation for quality that we have earned during the past twenty-five years.



CATALOGS Write for any of the following Catalogs: Wrought Iron Entrance Gates and Railings. Lawn, Garden and Tennis Fences. Country Estate and Farm Fences. Special Enclosures for Poultry, Dogs, etc. Garden Arches, Arbors and Trellises.

ANCHOR POST IRON WORKS

11 Cortlandt St., (13th Floor) New York
Philadelphia—Cleveland—Boston—Hartford—Newark

Zero
No
Hardness
Water

Your Mother Knew The Luxury Of Soft Water. Do You?

In the old home, where the family water supply came from the rain-filled cistern, she knew what soft water meant—a more comfortable bath, softer skin, whiter linens, a saving of soap, better cooking. You can bring this luxury into your modern home by installing

Permutit
TRADE MARK
REG. U.S. PAT. OFF.
The Water Softening Filter
To Zero Hardness

Connect it in your water piping—and you will have an ample and unfailing supply of water as soft as rain and as clear and sparkling as that from a spring. You will know a comfort that you have never known before. You will understand why “velvet water”—**Permutized** water—is finding its place in hundreds and hundreds of homes, large and small, from coast to coast.

*Let Us Send the Booklet,
“Velvet Water, Velvet Skin.”*

THE PERMUTIT COMPANY
30 East 42d Street New York

Gold Medals:—Ghent, 1913—San Francisco, 1915

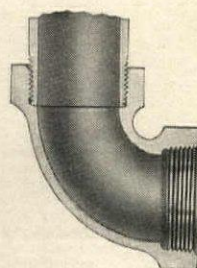
Drainage in the home

should have a free and continuous escape from the premises. The joints where the pipe and fittings come together should be so tight that there will not be any openings or crevices for foreign matter to lodge in.

CRANE DRAINAGE FITTINGS

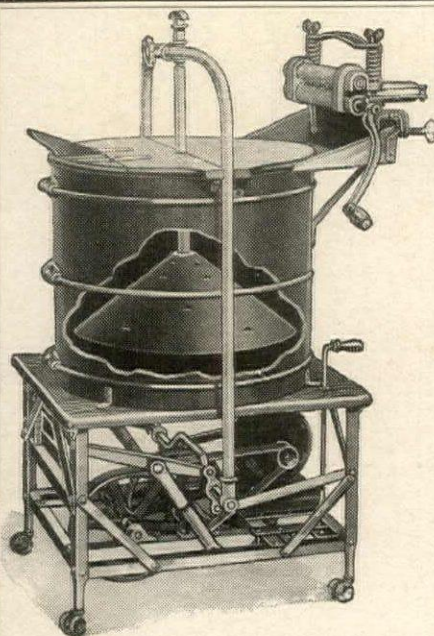
are made with a shoulder against which the pipe abuts so perfectly that all “pockets” are eliminated so that the drainage may have an unobstructed flow to escape to the sewer. That is important.

We invite inquiry.



FOUNDED BY R. T. CRANE, 1855
CRANE CO.
836 S. MICHIGAN AVE.
CHICAGO

Branches in 51 leading cities.



E-2 DAYLIGHT WASHING MACHINE

Is Your Laundry Equipment Satisfactory?

The washing mechanism of our DAYLIGHT WASHER consists of a series of Disc Cones, which are operated in an up and down motion and by PRESSURE and SUCTION forces water through the fabric of the clothes. The Disc Cones cover the larger portion of the area of the washer tub and they force water through ALL the clothes at EVERY stroke of the Cones.

We do not claim that our DAYLIGHT WASHER will clean dirty clothes in sixty seconds but we do know that it is capable of cleaning any clothes that are cleanable with soap and water. It will not only do this but it will do it in Less Time, with Less Labor and with Less Noise than any other machine. It is easily operated and has such simple machinery that it will not get out of order.

THE DAYLIGHT WASHER is the one machine DIFFERENT IN WASHING PRINCIPLE, DIFFERENT IN DESIGN, DIFFERENT IN APPEARANCE AND DIFFERENT IN RESULTS.

SIMPLE, STRONG and DURABLE.

Made in sizes and styles to meet the requirements of any home. Hand, Belt Power or 1/4 H. P. Electric Motor.

Complete information upon request to Dept. H.

PUFFER-HUBBARD MFG. CO.
MINNEAPOLIS, MINN.

Protect your Garden from insects and disease

PREVENTION is better than cure. Begin to spray your plants and flowers during their dormant period and an occasional additional application during the summer will destroy all insect life and insure brilliant foliage, fine flowers, perfect vegetables and fruit.

For \$2.00 we supply our Imperial Home Garden Package making fifty gallons of spraying material enough for a 1/4-acre garden a whole season. With it we send a spray pump and our complete spray guide for Home Flower and Vegetable Garden FREE. All Imperial products are manufactured from formulas recommended by the U. S. Government and Agricultural Colleges.

If your hardware dealer cannot supply you, send \$2.00 to us direct and complete package will be forwarded by prepaid express.

IMPERIAL CHEMICAL CO.

ANN STREET

GRAND RAPIDS
MICHIGAN

50 gallons with Pump
\$2.00 express prepaid



Six Schemes for the Foundation Border

(Continued from page 70)

Broad-leaved evergreens demand a house of considerable dignity (Problem 6) where they are used alone, or in Problem 2, where they are combined with evergreens. Of these, the most conspicuous are the rhododendron hybrids, both tall and dwarf. There are also many interesting plants of lower growth: box, if the climate permits, in standard, pyramidal or bush form; Japanese holly (*Ilex crenata*) which closely resembles box and has the advantage of being entirely hardy; *Andromeda floribunda*, lily-of-the-valley shrub, with its racemes of white flowers; *Azalea amara*, with small flowers of flaming rose pink; low-growing *Daphne cneorum* with its terminal clusters of fragrant pink blossoms; and the well-beloved mountain laurel (*Kalmia latifolia*) are among the best of the smaller shrubs. Two good evergreen edging plants are *Pachysandra terminalis* and English ivy, the latter to be clipped and pegged down.

for summer effect, in its rich blossoms being no mean element of May.

Some portion of the house should be clothed by vines along not shrubs, in order to leave the straight line of the walls, should be only softened and obliterated by the planting. A cautious use of Boston ivy is seen in Problem 4. Of other clinging vines, Boston ivy does well as far north as Boston if not exposed to the sun, *Evonymus radicans* is a tremendously hardy evergreen vine, a pet creeper (*Tecoma radicans*) both wood and stone, and of the Virginia creepers, *Ampelopsis mannii* clings the best. For masses at the eaves, *Actinidia* be trained up the conductor while for porches, roses are prominent. Other varieties than the ubiquitous ramblers are suggested in the planting list for Problem 3.

FOR DECIDUOUS PLANTING

Deciduous plantings belong with certain types of houses for which evergreens are inadequate or too formal. They are much less expensive and provide a wealth of variety, success depending upon a discriminating choice and careful placing, using more kinds and smaller groups than in the boundary planting.

Occasional small trees like flowering dogwoods, flowering crabs and cherries, thorns or laburnums are necessary and interesting as accents against the bare corners of the house. Picturesque shapes like sumach or Hercules' Club (*Aralia spinosa*) will give an immediate effect of size and vary the rounded contours.

For the intermediate shrubs in deciduous planting the usual gardenesque flowering shrubs are all suitable, such as lilacs, forsythias, mock orange, spiræas, and deutzias. In some locations a more woody effect is desired, when azaleas, sweet pepper bush, viburnum, etc., may be used.

For facing down deciduous shrubs Japanese barberry is by far the best. Its form is dense and compact, it will grow practically anywhere, its foliage turns a wonderful red in autumn, and its abundant red berries remain on the bush all winter. *Deutzia Lemoini* is an excellent edging shrub

Concurrent with the rose large-flowered white *Clematis* or the lavender *C. lanuginosa* is effective. Wistaria, which occasionally sulks for years and refuses to flower, may sometimes be successful brought to blossom by root pruning or better still if only those plants purchased which have been grafted with flowering buds. For fall color *Clematis paniculata*, a soft creamy bloom, contrasts with the of the Japanese barberry.

Only a few herbaceous should be used with deciduous shrubs and those of a bold nature, such as peonies, funkia, phlox or thorn. Of bulbs, lilies have a particular affinity for rhododendron beds, the standpoint of both looks more activation. If planted in groups not in stiff lines, narcissi may be in front of both evergreen and deciduous planting. Some unusual tips for special use with evergreens are described in the planting list for Problem 2, and some excellent ones for planting in front of flowering shrubs in List 3.

In conclusion, it must be remembered that simplicity in design, discrimination and restraint in the choice of shrubs, and care in their situation, placing and actual planting operations are absolutely necessary to insure successful effects with foundation planting.

Fresh Berries—With Cream

(Continued from page 25)

fruit border is well away from trees and hedges whose roots rob the soil of much of its nourishing power, the surroundings make no particular difference. There should be, however, plenty of room provided for cultivation around the bushes, 6' or 7' being allowed between rows in case more than a single line is planted. Blackberries should stand 5' apart in the row, and raspberries, currants and gooseberries 4'.

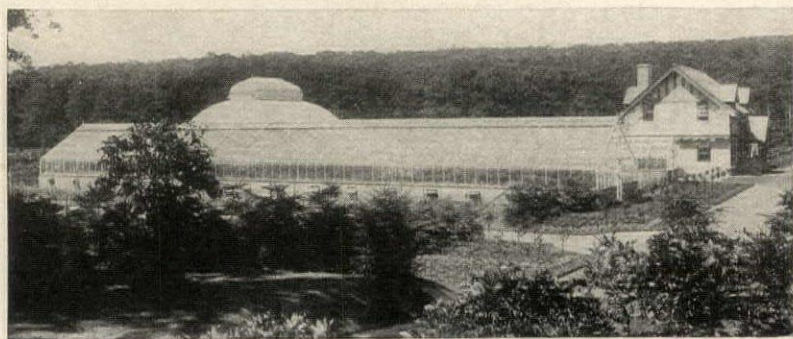
For cultural purposes, these four species of small fruits may be divided into two groups, the first comprising the blackberries and raspberries (true "canes"), and the second the bush-like currants and gooseberries. The former group calls for a supporting trellis, as already mentioned. A good one may be made with stout posts, 4' above the ground and 15' apart, between which are strung three lines of heavy wire. To these wires the canes should be tied.

Spring pruning of blackberries and

raspberries makes for better growth. It should be done early, as growth starts, and the weaker shoots should be cut. Unless the growth is cut back only 1/3. When the canes are first set out, cut the shoots at the ground, leaving not more than two eyes. As soon as the season is over, take off all the shoots at the ground level, as usefulness is past. When the canes reach the top of the trellis they should be pinched back to encourage side growth.

When it comes to currants, pruning is of a different character. Early each spring a few of the best shoots should be cut off at the ground to prevent the bushes becoming superannuated, as, unlike the preceding sorts, it is not the young wood which bears. Gooseberries, too, call for similar treatment, the additional purpose of keeping

(Continued on page 74)



"Spring unlocks the flowers to paint the laughing soil."—Heber.

A COMBINATION—not a simple key—is used by Spring to unlock the great Vegetable Kingdom.

LUTTON GREENHOUSES

employ the same combination.

Spring's Combination

Warmth from the sun.
Vigorous action of light.
Abundance of fresh warm air.
April showers assist roots to absorb food.

The Lutton Combination

Perfectly controlled temperatures.
Every available sunbeam reaches plants.
Thorough ventilation with tempered air.
Efficient drainage keeps earth just wet enough.

You will readily see from the above that the LUTTON way is Nature's way, with this difference—the LUTTON Greenhouse is always the same, day after day throughout the year, whereas Nature is *fickle*, cold one day and warm the next.

That is why the products grown in LUTTON Greenhouses excel those of unassisted Nature.

WM. H. LUTTON CO.

Main Office and Factory, Jersey City, N. J.

Show Rooms, 3rd Floor
Grand Central Terminal, N. Y. City

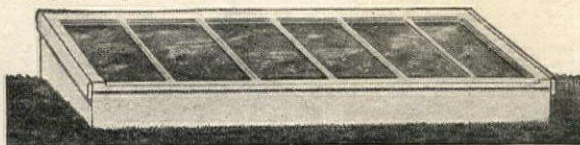
Western Office
710 Sykes Block, Minneapolis, Minn.

Horticultural Architects and Builders of All Kinds of Modern Glass Structures.

LUTTON MINIATURE GLASS GARDENS

are like little greenhouses. They also embody the combination which enables you to gratify your desires for your favorite flowers and vegetables. At the same time they help you to solve the problem of the High Cost of Living.

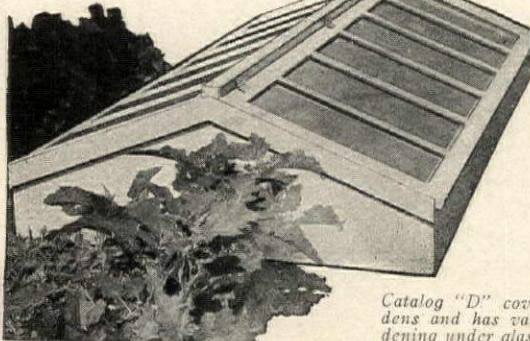
Twenty or more kinds of vegetables and a great variety of flowers can be raised by the amateur in LUTTON Miniature Glass Gardens. Their prices are remarkably low considering present high cost of materials and labor. Prompt shipment and satisfaction guaranteed.



Special No. 2 Improved Hot Bed Frame covers 21 sq. ft.

Over 8 ft. long and wide enough to fit in a 3 ft. space. Sash has 6 large lights of extra heavy glass. Carefully packed; easily set up. Price complete, freight prepaid anywhere in U. S. East of Mississippi. This is an ideal frame for the beginner as well as advanced horticulturist.

Price
Delivered **\$12.00**



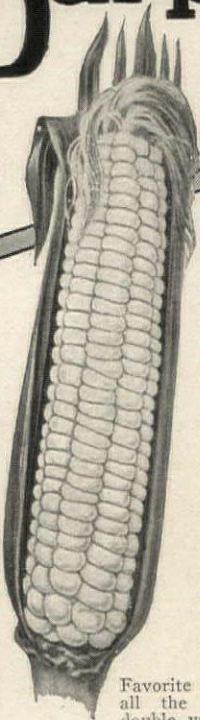
Special No. 3 Diminutive Greenhouse covers 40 sq. ft. of garden space.

High enough to receive fairly tall plants. Six large lights of extra heavy glass to each sash. Hinged at top. All ready to put together in a few minutes. Portable, strongly made, neatly finished. Carefully packed. Price complete, freight prepaid anywhere in U. S. East of Mississippi.

Price Delivered
\$23.00

Catalog "D" covers all types of glass gardens and has valuable information on gardening under glass. Write for a copy today.

Burpee's Seeds Grow



Five of the Finest Fordhook Vegetables

For 25c we will mail one packet each of the following Vegetables, which are unequalled in their class. No other small collection would quite so completely fill the requirements of the average garden. These are tested and proved Burpee Specialties that have given the greatest satisfaction wherever used.

Bean—Fordhook Bush Lima, the most famous Bush Lima.

Beet—Black Red Ball, rich color, tender, fine flavor, early.

Corn—Golden Bantam, extra early, hardy, luscious and sweet.

Lettuce—Brittle Ice, large head, crisp and mild.

Radish—Rapid Red, quickest growing round red radish. Crisp and solid.

25c buys all the above. Five collections for \$1.00, and mailed to five different addresses if so ordered.

As a **Compliment to the Ladies**, we will include with each collection, a regular 10-cent packet of Fordhook

Favorite Asters, embracing all the choicest American double varieties.



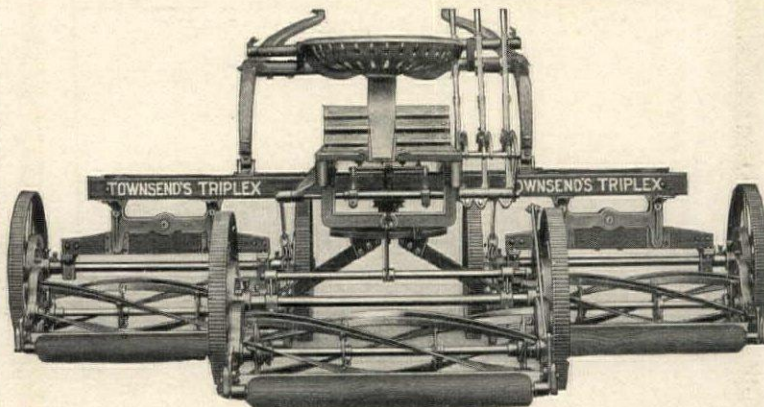
Burpee's Annual for 1917

The **Leading American Seed Catalog** is bigger, brighter and better than ever before. We have added twenty-two pages, making in all 204 pages, and best of all, you will find thirty Burpee Specialties illustrated in color. Burpee's Annual is mailed free upon request. A post card will bring it. Write for your copy to-day and mention "House & Garden."

W. ATLEE BURPEE & CO.
Burpee Buildings, Philadelphia

TOWNSEND'S TRIPLEX

The Greatest Grass-Cutter on Earth
Cuts a Swath 86 Inches Wide



Floats over the uneven ground as a ship rides the waves. One mower may be climbing a knoll, the second skimming a level and the third paring a hollow.

Drawn by one horse, and operated by one man, the **TRIPLEX MOWER** will mow more lawn in a day than the best motor mower ever made, cut it better, and at a fraction of the cost.

Drawn by one horse, and operated by one man, it will mow more lawn in a day than

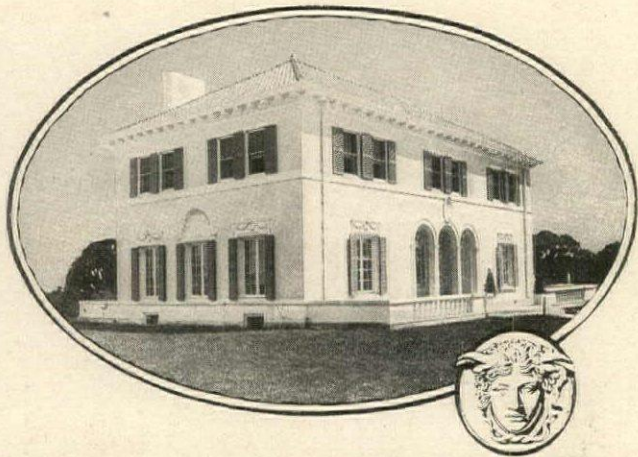
any three ordinary horse-drawn mowers with three horses and three men. (We guarantee this.)

Does not smash the grass to earth and plaster it in the mud in springtime, nor crush out its life between hot rollers and hard, hot ground in summer, as does the motor mower.

The Public is warned not to purchase mowers infringing the Townsend Patent No. 1,209,519, Dec. 19th, 1916

Send for catalog illustrating all types of Townsend Lawn Mowers

S. P. TOWNSEND & CO., 17 CENTRAL AVENUE
ORANGE, N. J.



EXPRESS YOUR INDIVIDUALITY—

in the architectural design of your white stucco residence—and your good business judgment by insuring that it will not become stained or discolored after a short time. Specify

MEDUSA WHITE-CEMENT WATERPROOFED

in which both whiteness, and the water and damp-proof quality, are integral permanent features that will never need renewing. Medusa Waterproofed white houses stay white indefinitely, because the stucco cannot absorb moisture. There is no efflorescence or staining.

Write for profusely illustrated booklets showing how the owners have used Medusa Waterproofed White Cement for exterior stucco on concrete, hollow tile or lath, and

how adaptable it is for the most beautiful exterior and interior decoration, in columns, steps, railings, pergolas, fountains, concrete garden furniture, etc.

Medusa Waterproofing may also be obtained for use with grey cement for absolute damp-proofing of residences, farm buildings and industrial structures of every kind.

Build for permanence, and waterproof when you build.

Whether you contemplate building immediately or not, write for copies of "Medusa Waterproofing" and "The Medusa White House" today.

THE SANDUSKY CEMENT COMPANY

DEPT. D., CLEVELAND, OHIO, U. S. A.

The illustrations give two views of J. T. Bannon's home, Milwaukee, Wis., H. W. Buemming, Architect, William Gregory, Contractor. Medusa Waterproofed White Cement used throughout entire building and for steps, walks and sills.



BUILDING PLANS AT LOWER PRICES

We will now make plans and specifications according to your ideas for 1% of building cost (instead of regular 2½% for same service as by all architects). Includes preliminary sketches, 2 sets blueprints, 2 sets specifications.

Plans including preliminary sketches and 2 sets of blueprints for 1% of building cost.

DESIGNING OF COUNTRY HOUSES
OUR SPECIALTY

UNIVERSAL STUDIO, ARCHITECTS
47 Broadway, New York

The Trysting Place

BRING your summer life into the wholesome out-of-doors—make your garden a spot where children may play, lovers may meet or Darby and Joan find leisurely comfort. A graceful arch, a hooded seat, a trellised arbor—each will play its part in transforming your garden into a sun-flecked living room. The 72-pages of the *Gardencraft Handbook* (with more than one hundred photographs) are waiting with their artistic suggestions to aid you in the transformation. Gladly mailed on receipt of 18 cents in stamps.

Mathews GARDEN CRAFT

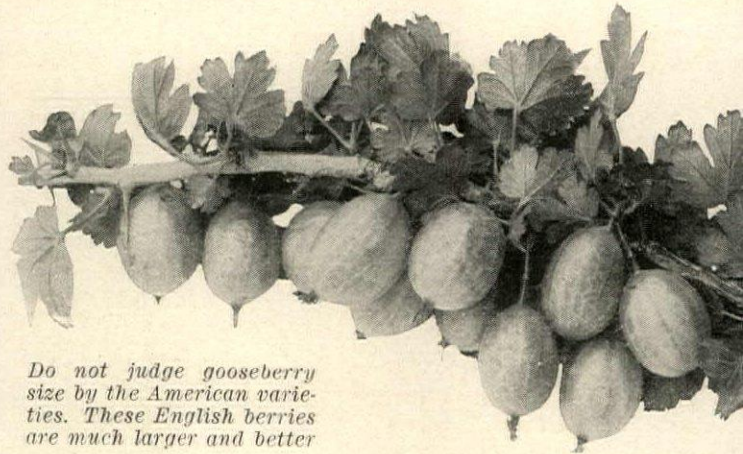


The Mathews Hall Mark, a pledge of authentic design and painstaking bench-work.

THE MATHEWS MFG. CO.

Designers and Craftsmen

912 Williamson Bldg., Cleveland, Ohio



Do not judge gooseberry size by the American varieties. These English berries are much larger and better

Fresh Berries—With Cream

(Continued from page 72)

bushes with "open" tops which will allow a circulation of air and the needful sunshine.

Perhaps the cultivated plant of any variety never existed which was not occasionally subject to some sort of disease or insect pest. Certainly the small fruits are not immune, though there is nothing in this connection which need cause you to hesitate about growing them. If red rust appears on the leaves of your blackberries or raspberries, cut out and destroy the badly infected plants, at the same time spraying the rest with Bordeaux mixture as a preventative. Anthracnose is checked in a similar manner, and the remedy for borers is to cut and destroy the canes which they have attacked.

In the case of currants and gooseberries, the commonest trouble is the currant worm, which eats the foliage and will sometimes strip the bushes of all their leaves if unchecked. Two good sprayings with arsenate of lead will prevent his ravages—the first applied as soon as the leaves appear, and the second when the plants are in flower. San José scale, should it

put in an appearance, is controlled by soluble oil spray during the dormant season. Cutting the canes, borers, and Bordeaux for rust anthracnose, complete the usual edy list.

The number of varieties of cane fruits on the market today almost bewildering. However, an experienced person charges into the midst, and does not lose his head; he is apt to emerge from the confusion with a list about like this:

Blackberries—Early Harvest, dorado, Snider and Rathbun.

Raspberries—Cuthbert (red), Golden Queen (yellow), Cumber (black), Black Diamond (black), Columbian (purple), and St. K. (ever-bearing).

Currants—Perfection (large red), Cherry and Fay's Prolific (red), White Grape (white).

Gooseberries—Industry and Cr. Bob (both of these are red, and the unexcelled, very large fruit characteristic of the English sort). Downing is perhaps the best of smaller-fruited American varieties and produces very heavily.

Flowers of the Rainbow Goddess

(Continued from page 47)

true blue flowers. As this *Iris interregna* shows the dwarf foliage of one parent with the tall stems of the other—the flowers are lifted from 12" to 18" above the leaves—it seems to be a most desirable addition. Its flowers are perfect in form and have clear and decided colors.

NATIVE AMERICAN SORTS

For some reason or other the irises which are native to the United States are not very commonly seen in cultivation. Perhaps this is because the loveliest of them are native to the Western portions, and difficult to establish in the East; but probably it is because, like everything else, they are undervalued because they are familiar—just "wild flowers."

One of the best of these is *Iris longipetala, superba*, a china-blue flower, altogether one of the softest and loveliest colors there is. This is taller than most kinds, sometimes rising to 40" or even more. It is a native of California. A middle Western-Southern species is *Iris cuprea* or *I. fulva*, with coppery flowers that are sometimes flecked with green and blue. Then there is *Iris cristata*, dwarf in size and crested, the flowers being lavender blue, a very dainty and lovely species. *Iris versicolor* is a violet blue and native to the Northern sections of the United States; and in the Northwest dwells *Iris setosa*, which is also found in Japan. This, it will be re-

called, is one of the species used by European hybridizers to cross the Japanese *I. laevigata*.

The largest iris, in point of general size and not applying the adjective to the flowers alone, is *Iris orienalis gigantea*, a native of Siberia. This is commonly grown in gardens and has been for a good many years usually as *I. orientalis*. There is a white form, but the type itself is low. The plants average 4' in height and make majestic clumps.

One other distinct species I mention, and that is *I. Sibirica*. It has been in our gardens for over a hundred years, and it too is a growing kind. The flowers are purplish or lilac blue, on stems 3' high. Note, please, that the variety *orientalis* of this species should not be founded with the species *Iris orientalis* just mentioned; they are distinct plants, one being yellow flowered the other purplish or white.

With all of these races and strains to choose from, it is of course of first importance to know something about the season of bloom. By making use of some of all of them it is possible to have irises in bloom from early in May to the end of July, even into August.

Some need a great deal of moisture, while others are equally satisfied without it. As a general guide we may say that all those having thick and surface creeping rootstocks

(Continued on page 76)

Dreer's Famous American Asters

America now leads the world in the production of high-grade Asters, and our own famous strains, grown under our personal supervision, are acknowledged by experts to be unsurpassed.

We offer in our 1917 Garden Book over sixty distinct varieties and colors, but particularly recommend the following collection of six sorts, embracing several distinct types and colors, and which we feel sure will, on account of their free growth, profuse flowering, large size, and general excellence please the most critical growers of this popular flower:

DREER'S SIX FAMOUS AMERICAN ASTERS

Dreer's Peerless Pink. Conceded to be the finest pink Aster ever offered. The form is nicely shown in the illustration.

Dreer's Crimson Giant. Densely double flowers of rich blood-crimson.

Crego's Giant White. The finest white Comet variety with immense fluffy flowers

Crego's Giant Pink. Identical to the white variety except in color, which is a beautiful soft shell-pink.

Rose King. Handsome double quilled flowers of a brilliant rose color.

Violet King. Very double, slightly quilled flowers of a pleasing soft shade of violet.

Price: Any of the above Six Famous American Asters, 15 cts. per packet; any two packets for 25 cts.; or a collection containing a packet each of the six sorts for 65 cts., postpaid.

For complete list of Asters and cultural directions see our Garden Book for 1917. Copies free with each order.

Asters are but one of our specialties in Flower Seeds.

Among our many other specialties we would mention particularly:

DREER'S RELIABLE VEGETABLE SEEDS

The very best of the novelties as well as the well-tried standard sorts.

DREER'S CELEBRATED LAWN GRASS SEEDS

Special brands noted for their adaptability to various situations and soil conditions. Dreer's Booklet on Lawn Making free on request.

DREER'S ROSES FOR THE GARDEN

We offer this season over 250 of the very choicest varieties, more than half of the number being of the Hardy Everblooming Hybrid-Tea Class, all in strong two-year old plants that will give a full crop of flowers this season.

All of the above and many more with valuable cultural hints are fully described and illustrated in

DREER'S GARDEN BOOK FOR 1917

The most complete and comprehensive catalogue of Seeds, Plants, and Bulbs published in the United States. A copy free to those who mention this publication.

HENRY A. DREER 714-716 Chestnut St. Philadelphia, Pa.



Three of
DREER'S
Famous American
ASTERS

Architect, W. C. Zimmermann, Chicago, Ill.

The Terra Cotta TILE ROOF

on this beautiful Downey residence in Chicago is of the pattern known as the Imperial Spanish. (See detail more clearly shown in border of advt.) By its use the architect has skillfully added to the beauty and character of the building. A Tile Roof is absolutely leak-proof—takes up no moisture on the under side to cause decay and lasts forever. It's the only roof which is absolutely fire-proof.

Many wonderful effects secured by architects of note are shown in our booklet "The Roof Beautiful," printed in colors. It contains views of many beautiful homes with roofs of Terra Cotta Tiles and is sent free upon request.

LUDOWICI-CELADON CO. Manufacturers of Terra Cotta Roofing Tiles
General Offices: 1107-1117 Monroe Building CHICAGO, ILL.

THE LAWN STORE

Step into the store where you see this sign in the window and ask for their free book on lawns. You will find they have lawn mowers, hose, grass seed, tools and everything you need for lawn or garden. Ask them to show you the

DUNHAM WATER WEIGHT ROLLER

TRADE MARK

By simply pouring water in the steel drum, the weight can be regulated to suit any condition—soft lawn, firm turf or tennis court. It can be quickly emptied for storing away.

Rolling is not hard work with this tool. The axle turns smoothly in steel roller bearings. The handle is held upright when not in use by a NoTip Handle Lock and the scraper cleans all leaves and dirt from the drum.

Your lawn needs rolling NOW.

The Dunham Co., 202 First Ave. BERE A, O.
(Suburb of Cleveland)

Warehouse: 270 West St., N. Y. C.
If your dealer hasn't the book, write us direct.

Fill with water to any desired weight.

Flowers of the Rainbow Goddess

(Continued from page 74)

or rhizomes—which is characteristic of the members of the German strain—will do without a great amount of moisture and thrive in dry places as well as anywhere else; while the species having thinner and deeper growing rhizomes need considerable water, some of them even demanding distinctly moist places.

PLANTING AND BLOOM SUCCESSION

The first to flower usually is *Iris pumila*, the dwarf iris from Crimea, with deepest purple flowers, along with its varieties *alba*, which is white, and *sulphurea*, which is yellow. Following this comes *Iris interregna*, in company with the Florentine iris and *I. Sibirica*. Close on the heels of these are the army of German irises, some earlier than others, yet none more than a few days apart. The Spanish strain comes into bloom in early June before the German has done flowering, and following it the English sort starts in late in the month. Meantime, the Japanese varieties have gotten under way, and these continue in flower after everything else has passed and gone—providing, of course, that their situation is congenial and that they have had proper feeding and watering.

All irises may be naturalized, for they are plants that lend themselves particularly to the careless abandon of Nature's planting; indeed, they are never so well placed as when thus treated. That they should never go where their foliage will be cut is very certain, for their leaves are decorative and essential to their life. But naturalistic planting does not invariably imply scattering in grass! It means as often the grouping in the garden or against a shrubby background, in opposition to bedding. And when I use the term in connection with iris, I mean this.

Someone has said that irises are as easy to grow as potatoes, and having grown the latter in large quantities, I am prepared to say that they are—and more! Most irises are indeed much easier to grow than good potatoes, for they do not need cultivating, or spraying, or tending a bit in the world, once you get them in the right place and give them the food they like. It seems to be true, however, that there is no telling exactly the right place except by trying. I have had iris clumps grow and thrive where I knew beforehand they could not possibly live! And I have had other clumps pine away and vanish right from under my nose in places that, according to all theory, were ideal.

The bulbous irises, to which class the English and Spanish species belong, like a somewhat sandy soil, free from manure, to which they are very sensitive. It is to their advantage that they should be rather dry during the summer; and of course, like all the rest of the family, they should have free sunlight. The bulbs

are usually supplied by dealers in the autumn, and should be planted as early as possible, if bloom the following spring is to follow, for the roots should be formed before the winter sets in. A mulch of leaves as is used over any other fall planting bulb ought to cover them.

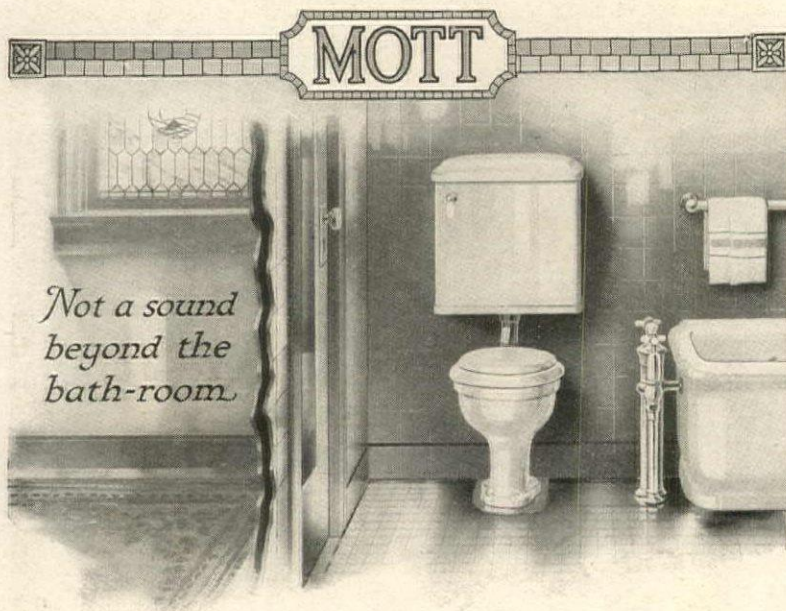
Wherever you plant them, they do not show a distinct gain in the second season, make up your mind something is wrong, and move them elsewhere. These species increase rapidly by offsets when all is well with them, and need to be divided frequently. It is best, by the way, when dividing any iris clump, to do so simply cutting it in two so it stands in the ground, and rooting one portion of it. Then throw the rest into the hole thus left in the earth, which will go on growing without a setback. Irises do not need to be disturbed, although they need to be divided fairly often owing to their habit of growing underneath the rootstock, as well as all around it. A clump left to grow without dividing will thus become a circle of leaves instead of a clump, and the middle will be a mass of grasses and weeds that will be taken root between the old and new out portions of the rhizome.

DEPTH AND CARE

Plant the roots of the bulbous irises 3" to 4" deep, and if your soil is at all heavy, give each one a bed of sand to lie in. Plant the rhizomes of the Germanica and sections flat—parallel with the face of the ground—and do not plant them deep. Indeed, some leaves of the rhizomes exposed; and this is the way they grow naturally, the logical thing to do. The time for handling all these rhizomes is right after they have stopped blooming and before they start in with their new growth. For this reason, fall is not a good time for fall-planted rhizomes do not have a sufficient start before winter to be able to produce flowers in the spring.

Dormant rhizomes should never be given much moisture until they have begun to grow, for until they have made roots and are thus able to take water, it simply lies around them liable to rot them. This is the point about handling them that should be particularly noted.

To secure the best results with Japanese iris, plant them well in water, water them frequently and deeply—until the water penetrates to a real depth—with manure or, if this is not available, with water, dressing the ground with rotted manure. Probably no species is so susceptible to the lack of it, and no other species will repay care so abundantly, as the roots of those plants not only reach to a depth of several feet, but their eager hunt for moisture is evident that a little top spring will not do much good.



Not a sound
beyond the
bath-room.

QUIET-ACTION Closets

WHY install a noisy closet? Our Quiet-Action Closets effectively silence the rush—swish—hiss and gurgle of the flushing operation.

For sixteen years the SILENTIS—the pioneer quiet-action closet—has been furnished for the finest homes throughout America.

The SILENTUM insures the feature of quietness, and costs no more than an ordinary closet of a dependable grade.

Both the SILENTIS and SILENTUM are described more in detail in our new 138-page "Bathroom Book", which illustrates the latest examples of plumbing fixtures for bathroom, kitchen and laundry, and shows 22 model bathrooms, with full descriptions and prices. Mailed for 4c postage.

IMPORTANT!
Your Architect
can tell you about
Mott quality.

Your Plumber
can give you an
estimate on Mott
Plumbing Fix-
tures installed
complete.

THE J. L. MOTT IRON WORKS, Fifth Avenue and 17th Street, NEW YORK

1828—Eighty-nine Years of Supremacy—1917

†Boston
†Pittsburgh
†Chicago
†Minneapolis
†Atlanta
†Philadelphia

Seattle
Cleveland
†Detroit
†Des Moines
†Toledo

Portland, Ore.
†Washington, D. C.
Columbia, S. C.
†New Orleans
Denver

†San Francisco
†St. Louis
†Montreal, Can.
San Antonio
Dallas
Los Angeles

†Showrooms equipped with model bathrooms



ROOFING TIN —

Manufactured from
Keystone Copper Steel



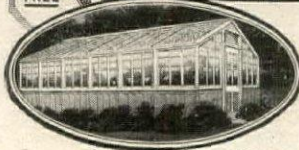
Highest quality plates obtainable. Grades up to
40 pounds coating. Look for the Keystone stamp.

We also manufacture APOLLO-KEYSTONE Copper Steel Galvanized Sheets—fireproof, durable, unexcelled for Roofing, Siding, Culverts, Tanks, Spouting, and all exposed sheet metal work. The added Keystone stencil insures you greatest service and rust-resistance. Send for booklets.

AMERICAN SHEET AND TIN PLATE COMPANY, Frick Building, Pittsburgh, Pa.

Send for
Book
FREE

Buy Your Greenhouse Ready-cut!



2328

Wholesale prices. Comes glazed in sections. "Easybilt." Erect it yourself. Any size. Highest grade materials supplied complete. Shipped promptly anywhere. Send for our Greenhouse and Hot Bed Sash Booklet. FREE. Write NOW!

Gordon-Van Tine Co.
Satisfaction Guaranteed or Money Back

6308 Case Street
Davenport, Iowa



FREE—Write today for our new catalogue entitled

The World's Best Dahlias



accurately describing 730 selected from over 2500 of the "best" secured from all sources,—all the best and standard varieties in Cactus, Decorative, Giant Flowering Show, Fancy, Pompon, Paeony, Duplex, Collarette, Anemone, Century and Single. Natural color reproductions of new Decoratives, "Dr. Tyrrell" and "Minnie Burtle" and 38 beautiful half-tone illustrations of the distinct types. The leading Dahlia catalogue with the 1917 novelties.

Book "The Dahlia" new, fifth and revised edition, 80 pages 10½ x 7½, clear, concise and practical. Beautifully illustrated. 50c post-paid.

PEACOCK DAHLIA FARMS

Berlin, New Jersey



No. 63—Wren-Robin, \$1.50



No. 62—Bluebird, \$1.25



No. 60—Robin, \$1.25



No. 25—Woodpecker, \$1.25



No. 17—Bracket Wren House, \$1.00

Whoever possesses this house will be certain to have at least one of these desirable birds make use of it.

"A Bluebird for Happiness," a dash of color and cheerfulness, darting through one's vision or hopping upon the lawn.

Robin Redbreast, the hero of many a nursery song and fable. An agreeable friend and neighbor.

The tap, tap, tap of the Woodpecker is a pleasant sound. A benefit to the trees of his neighborhood, destroying harmful insect life.

The house for the companionable Wren may be placed under cornice or porch or as near the house as desired.



No. 8—"Martin House," 14 Rooms, \$20
Smaller houses, \$4, \$5, \$10

These houses should always be large. This is a bird that loves much company. If well housed and well used, they come in larger flocks each year.

Spring is Here

Nature is awakened from her winter's sleep. The birds are ready to make friends with you. Put out your bird house now. Do you want Jenny Wren, Boy Bluebird or perhaps another as your cheery companion through the summer? Make up your mind quickly and let us send the new domicile of your chosen friend immediately.

In getting up our Circular it was first intended to be only a supplementary leaflet, to contain a few new designs. The next step was to have better cuts and show a few improvements in several places. The idea grew and grew until now I have quite a Booklet. Will you send for a copy? With your kindly assistance we will go on prospering.

We have not turned our shop into an ammunition factory, but have enlarged it, and shall continue to manufacture the Ammunitions of Peace.

A. P. GREIM
BIRDEVILLE, TOMS RIVER, N. J.

Note: Woodpecker houses are provided with the proper quantity of special nesting material. While the cost of materials for the birdhouse has doubled in the last five years, our prices are still the same.



Shall I tell my Secret?

My home is my pleasure. Perhaps it didn't cost as much as some houses to build. But what fun I've had planning it! And, of course, the grounds have been my greatest source of joy.

Moons' helped me. First, by sending their catalogue. It suggested just the right species based on the rough plan I made. And such fine, healthy specimens of evergreens; not expensive, either, especially when you consider their size and growth.

But, my secret. I was made a flattering offer. I find the house isn't worth any more, but the grounds are. So, really, my pleasure has been making me money. Moons' have helped me. If I were you, I'd write Moons' for Catalogue No. A-4. They have a Hardy Tree or Plant for every place and purpose.

THE WM. H. MOON COMPANY
NURSERYMEN

Morrisville, Pennsylvania

Philadelphia Office
21 South Twelfth Street

The Moon Nursery Corp.
White Plains, N. Y.

This Book Tells How to Keep the Family Food Clean and Wholesome



WRITE TODAY for the Monroe Book on Home Refrigeration. It's Free. Thirty-six pages devoted to money-saving, health-protecting facts on this important subject. Learn how easy it is to get a "Monroe"—the best refrigerator made. One that will outwear several ordinary refrigerators, and earn its cost several times over. A "Monroe" will save one-third or more on ice bills.

The "Monroe" has beautiful snow-white food compartments, molded in one piece of Genuine Solid Porcelain Ware over an inch thick, with every corner rounded.

Not a single joint, crack or crevice to harbor dirt or germs. Can be sterilized and made germlessly clean in an instant by wiping out with a damp cloth. Food kept in the cold, dry, odorless atmosphere of "Monroe" food compartments is always clean and safe.

The MONROE

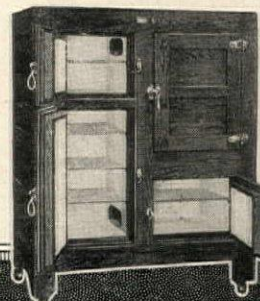
SOLID PORCELAIN REFRIGERATOR

Is endorsed by Good Housekeeping Institute and Executive Committee, National Housewives League. Found in thousands of the best homes, and leading hospitals, where clean, wholesome food is a necessity. A "Monroe" should be in your home.

Never Sold in Stores
Shipped Direct from Factory
Freight Prepaid
Easy Monthly Payments

Don't put off writing for the Free Book. A guide to real household economy you should have.

Monroe Refrigerator Co.
44 BENSON STREET, LOCKLAND, OHIO



30 Days' Home Trial



The Comfort of Sparkling, Safe Water

¶ In every home, for all household uses, stainless, attractive, safe water is extremely desirable. Besides its evident value in your bath, in laundry, kitchen or pantry, filtered water practically does away with the trouble from leaky faucets and valves and affords great protection to your handsome bathroom fixtures, piping, boilers and mechanical equipment because it is free from grit, muddiness and suspended matter of all kinds as well as odor or taste.

Loomis-Manning Filters

afford the maximum of such protection because they are extremely simple to take care of, they are scientifically designed to keep in excellent working order and are made in a substantial, durable manner.

¶ These filters can be readily installed without confusion in new or old houses or buildings. The parts can be taken through an ordinary doorway. They cause no appreciable reduction in the flow of water or in pressure, and are suited for use with any kind of water supply system—either city or country. They are made in several sizes and types to meet any water conditions.

¶ We have perfected a splendid method for cleansing discolored *hot* water and for the removal of iron rust and stain from either cold or hot water. Send for full information.

The best solution for Water Troubles—Hot or Cold.

Loomis-Manning Filter Distributing Co. Established 1880

1445 South 37th Street
Philadelphia, Pa.

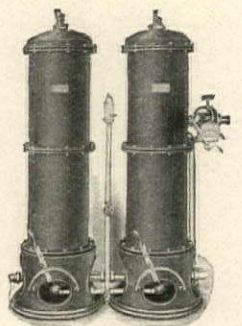
Direct from
filter to
bathroom



and to
kitchen



and to
laundry



A residence type
of Loomis-
Manning Filter

Essentials in Bedroom Furnishing

(Continued from page 53)

adjusted from which to hang the curtain. The curtain should hang about 15" wide on either side and be the full width of 50" material. It may be looped back with straps or hung softly over the bed, coming almost to the floor on the wall side.

It may be trimmed with a ruffled or turned back hem and ruffled piping of another color. The bed-spread should be made to match and at one end place an oval pillow with ruffle or piping as the case may be.

For such a bed arrangement, use a simple curved lined day bed, painted and antiqued in a soft mauve. The bed-drapery could be of rose-silk and the piping of mauve. The same curtains could be used as one drapes a window—with a soft mauve gauze under-curtain. The dressing table and night stand should be painted to match the bed and the all-over upholstered chair and the slipper chair upholstered in an ivory mauve and rose striped material. On the night stand can be an amethyst color Venetian glass candle-stick and beaker for water. The floor border can be painted in rose with a mauve rug and the walls in ivory. Lamp shades should be of yellow Georgette crepe to warm the room—with tiny ruffles of rose and mauve picot edge and the lamp itself of Chinese porcelain with that exquisite rose mauve shiny glaze. A tiny decorated writing desk in pistache green would be a stellar note.

BEDS FOR BUSINESS WOMEN

The tired business woman will find a mahogany low four poster bed suitable and graceful. A good covering is made by embroidery on heavy unbleached cotton cloth, a Jacobean design in crewel in dull blues, greens and tans. This spread, by the way, could be embroidered at night as the stitches are large, and even a business woman likes a homey touch that she has created herself. If this is impractical for her, she may use a spread of cretonne, with a turn-down under which to slip the pillow, edged with silk in green or whatever color is found in the cretonne. It is much more interesting and effective to choose for the plain color the less obvious tone in a cretonne to bring out in the room. If a cretonne has a great deal of rose, a little lavender and the same amount of green and blue, use the green for the color in bindings or accessories, or the mauve as one's taste lies.

On the night stand should be the light, preferably electric, although some folks like a candle to read themselves to sleep by. If the lamp shade is of silk, see that it is lined with white, as this will shed a better reading light. In fact, a paper or vellum shade seems a little too hard for a bedside light. Electric lights that screw onto the bed are excellent for reading but they are not particularly decorative.

THE BEAUTIFYING GROUP

The beautifying group consists of a dressing table, a chiffonier or bureau or a chiffierole for a man's use. Once on a day these came in shining golden oak and were monstrosities, but now they may be had "in the plain" from the manufacturers and stained and painted any color desired. By using an inconspicuous color for paint and striping, thus breaking the large plain surfaces, the chiffierole does not appear so cumbersome and certainly becomes a convenient piece of furniture.

Almost any bureau or chiffonier is improved by taking off the mirror and hanging it by itself at the required height. A chiffonier and dressing

table make a useful combination much better than the old-fashioned bureau, as one could not sit enough to dress at a bureau.

A dressing table with a trip mirror is the most serviceable decorative type. The most attractive style I know has slender frames with curved tops.

But the most important thing in the dressing table is the light given. When there are no available wall lights, an electric arrangement may be clamped onto the glass and covered with a pretty shade of suitable design.

Charming little dressing table can be made from a set of drawers just a box with a shelf placed in for slippers, etc., and covered with taffeta or cretonne in long ruffle. A plain mirror frame may be covered with a flat ruche of silk or tulle covered with cretonne, and placed above the table.

A tiny manicuring table is such a luxury that I am surprised that bedrooms do not boast them. It usually balances a dish of soapy water on her knee or takes the gloss mahogany table top when she is down. A tiny, oval black lacquer table with a drawer would serve purpose admirably. Drawn up slipper chair or by the chaise longue it would be a real joy and convenience to be appreciated.

The slipper chair, by the way, has become almost a necessity in these days of fat living and higher general living. Low, snugly upholstered, the most conveniently placed at the foot of the bed. An ordinary high chair may be converted into a very comfortable slipper chair by taking inches off its legs.

THE BOUDOIR END

The remaining group is the boudoir end of the room. Some lucky ones have a real boudoir or sitting room but many of us are thoroughly satisfied by having a bedroom large enough to have assembled in one the essentials of a boudoir.

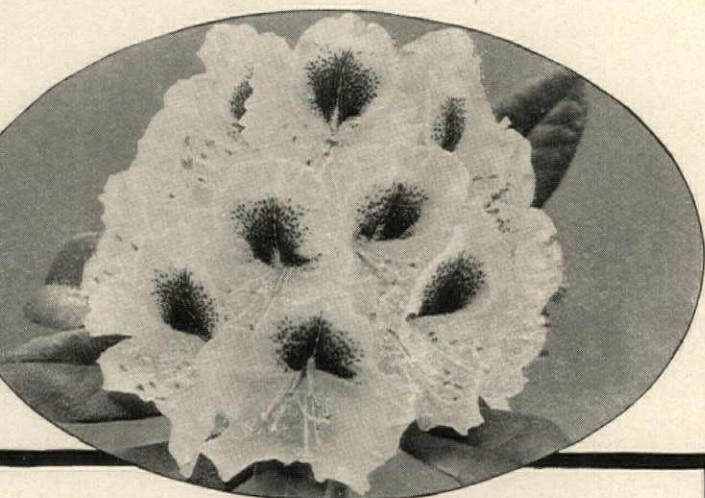
The main thing is to have a longue. Whether it is of silk, or wicker doesn't matter—but a longue spells comfort and harmony in its every line. Of course, a gown goes with a chaise longue that should match, for if we are in for effects, we must have complete groups—including the lady.

If the chaise longue is of wicker, which would be the very last thing anyway—have it upholstered in silk back seat and new valance.

A very good couch for a boudoir 5' long with a ratchet end which let down when one wishes to sit down. This, by the way, will hold up an extra guest, or is excellent case of sickness for which only a room is taken up, and it makes a comfortable bed.

A little sewing table should be there, preferably with a colored cloth beneath to add a spot of bright color to the room, and a little wicker rocker. There is hardly a woman who would not openly or covertly wish for a low rocker to sew in. After all homes should be human and it's going to take at least one more generation before we be educated out of rockers.

In one corner we should have a desk. Adorable little desks are being made for bedrooms, scarcely half yard wide with one drawer underneath and a fold-back top with pigeon holes for paper, etc. They are a comfort and really for use the least of their advantages is their small size.



These Shrubs Will Fill Your Place With Bloom

Rhododendrons and Azaleas have long been favorites for lawn planting. Their lustrous green foliage is mostly evergreen and presents a delightful contrast with the handsome flowers.

Rhododendron Catawbiense. The hardiest and most striking native; delicate flowers in June. Well-budded plants that will bloom this year, \$1.50 to \$2.50 each. Special quantity prices.
Rhododendron Catawbiense Maximum. The best for massing. Flowers snowy white to soft pink. Well-budded plants that will bloom this year, \$1.50 to \$2.50 each. Special prices in quantity.
Rhododendron Hybrids. Splendid for planting near the residence. Colors: white, pink, rose, scarlet and crimson. Well-budded plants that will bloom this year, \$2.50 to \$3.50 each.

Azalea Mollis. Nearly all colors imaginable are found in the varieties of this beautiful shrub. Strong, heavily-budded plants, \$2 to \$2.50 each.

Azalea Amoena. Bears solid masses of rich wine-red flowers in May. We have a limited number of extra large specimen plants, \$15 to \$25 each. Smaller sizes, \$1 to \$2 each.

Azalea Indica Alba. Masses of pure white flowers. Extra large specimens; plants, \$15 to \$25 each. Smaller sizes, \$1 to \$2 each.

Cromwell Gardens Handbook

Contains information about shrubs, trees, evergreens and roses. It will help you plan your grounds or garden. Be sure to get a copy.

CROMWELL GARDENS

N. Pierson, Inc.

Box 14 Cromwell, Conn.



A Better Lawn At Less Expense

THE Fuller & Johnson Motor Lawn Mower is designed for the large lawn with numerous flower beds, shrubs and trees, where great flexibility as well as large cutting capacity is required.

This wonderful Mower is large enough to cut five acres a day, yet light enough not to mar the turf, and so extremely flexible that it will cut close up to and around trees, under the shrubbery, and along walks and driveways, thus entirely eliminating the necessity for cleaning up afterwards with a hand mower. The

FULLER & JOHNSON MOTOR LAWN MOWER

is backed up by 70 years' reputation of the Fuller & Johnson Manufacturing Co. for the highest manufacturing integrity.

It is scientifically designed and built as a complete unit. Indeed, its balance and details of the mechanical features of the mower have received as close consideration as has the motor itself. If it were possible to dismember this wonderful Motor Lawn Mower before you, you would marvel at the

extraordinary thought and study given to the planning of its smallest feature—the infinite care used in the finishing and adjusting of its smallest part—yet its greatest characteristic is simplicity.

Write us now before Spring arrives for full information and a copy of "A Better Lawn."

Manufacturers Distributing Co.
451 Publicity Bldg.
ST. LOUIS, MO.

\$225

F. O. B.
Madison,
Wisconsin



Specially
designed
for use in
Private
Estates,
Parks and
Cemeteries



For every flower there is "just the right" piece of FULPER.

POTTERY

LOW and HIGH BOWLS
VASES and ODD SHAPES
TWIG STICKS—FLOWER
HOLDERS—WALL VASES

and other beautiful pieces for decoration and use.

Sold by the best stores everywhere.

Illustrated Portfolio on Request.

FULPER POTTERY

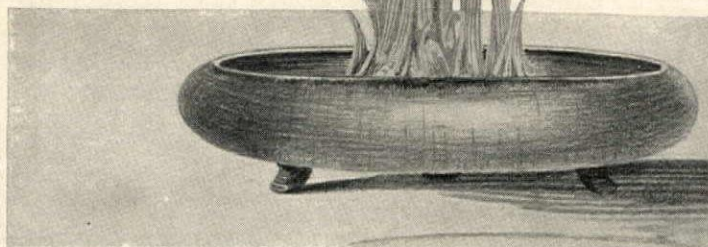
FLEMINGTON

333 4th AVE.

New Jersey

New York

MEDAL OF HONOR—highest possible award—Panama-Pacific International Exhibition, San Francisco, 1915.



FULPER

The Dahlia

A Flower Supreme

Nothing Can Take Its Place

In late summer and autumn the Dahlia is indispensable for cutting. It yields great armfuls of gorgeous velvety flowers until frost.

Queen Emma

Paeony-flowered Dahlia. Coloring a mingling of pale violet-rose and pale gold, the latter more pronounced on the inner petals; on the outer ones it appears as just a glistening sheen. Reverse of petals deeper violet-rose. Center yellow. A strong grower and free bloomer even in hot, dry seasons. 25c each.

We have 149 more selected from the best American and European sources. Among these are many that we think can be secured from no other American grower.

Send for Our Catalog

It describes them all. It also describes our Irises, Gladioli, Paeonies, Cannas, Hardy Phlox and many other plants and bulbs. It also lists all kinds of field, flower and garden seeds.

THE WING SEED COMPANY

Box 1327, Mechanicsburg, Ohio





FLINT'S FINE FURNITURE

EXCLUSIVE SUMMER FURNISHINGS

So extensive and varied is our Spring and Summer Exhibition of Summer Furniture, Floor Coverings and Decorative Fabrics, ready for immediate delivery, that appropriate and harmonizing pieces and suites with accompaniments may readily be selected for practically any decorative or color scheme. Many collective examples now on view on our twelve floors.

We undertake the Complete Decoration and Furnishing of Single Rooms, Apartments, City Residences or Country Homes. A large staff of artists and experts makes possible the prompt execution of special decorative schemes. Advance details of treatments and costs submitted upon request.

Imported and Domestic Drapery and Upholstery Fabric in exclusive colorings and designs.

Our competent artists and salesmen are always available by appointment to attend patrons at their homes.

ORIENTAL AND DOMESTIC RUGS AND
DRAPERIES

FLINT & HORNER CO., INC.

20-26 WEST 36th STREET
NEW YORK



Light, air and sunshine are essentials in the modern home. They bring health and cheer. French doors give you the maximum of these good things—and they are decidedly in vogue.



French Doors

are made in many designs, sizes and woods. Discriminating buyers insist on Morgan Doors for all uses, because of their beautiful selected woods, their exclusive All White Pine Core and their patented Wedge Dowel Construction. And because they are guaranteed.

Suggestions for Beautifying the Present or Prospective Home

You don't need to build a new home to enjoy the beauty and service of Morgan Doors. "Adding Distinction to the Home" gives suggestions for improving the present home.

"The Door Beautiful" is a book of suggestions on doors, interior trim and interior decorations for prospective builders.

Send for either, or both booklets.

Morgan Sash & Door Company

Dept. C-23, Chicago

Morgan Millwork Co., Baltimore Morgan Co., Oshkosh, Wisconsin
Exhibits of finished Morgan Model Doors in all principal cities. Ask for list.

Knowing the Wild Mushrooms

(Continued from page 60)

characteristic of the fresh specimens. If when sliced through the center there is revealed a yellowish, dusky, or smoky color, the specimen is past using for food. Puff-balls are widely distributed and fairly common in most localities from midsummer until late fall. The one most frequently met with is the small, top-shaped variety which measures from 1" to 2½" in diameter. It grows on the ground in open, grassy places, sometimes in profusion. The plants are white but become dark grey or greyish-brown as they mature. Often when apparently fresh to outward appearance, inspection of the interior will reveal the tinge of color which betokens that the specimen has passed beyond the edible stage. When sliced and browned in butter puff-balls are a sweet dish.

In late summer and autumn the giant puff-ball makes its appearance in pastures and open places. It is frequently found in corn fields between the rows of standing corn. A specimen the size of a man's straw hat is not unusual and will form more than enough for a meal for a large family. Another form of puff-ball, called the beaker-shaped puff-ball, is pear-shaped, rounded above and tapering beneath. Its largest diameter is from 3" to 6".

A group of delicious edible mushrooms with which the student will become familiar without difficulty is that composing the genus *Pleurotus*. This group is especially characterized by growing on wood—either the half-decayed stumps and fallen timber found in the woods or on dead branches of living trees or from old scars caused by the removal of limbs. The genus comprises some of the most toothsome of the edible fungi, and to gather them one need often only walk along shaded city streets and pluck them from the trees which line the walks. The elm *Pleurotus*, which in autumn is common on many kinds of city shade trees, has a taste when butter browned not unlike a broiled pork chop. It is of large size, often occurring in groups or clusters, and because of its late season is unusually free from insects. Its aroma when cooking fills the house and brings everyone to the table keen of appetite.

The *Pleurotus* genus includes the well-known oyster mushroom whose form sometimes suggests the outline of an oyster shell. By many this latter variety is classed as one of the finest of the edible fungi, although it is rather tough, especially with age. After the amateur has had a little field experience he will have slight difficulty in singling out the members of this genus and will run no risk in using them for food. Their characteristics are such as to preclude the possibility of making any mistake.

THE DEADLY AMANITAS

Most of the accidental poisonings from mushrooms of which one reads in the newspapers come from using fungi which are of the ordinary "toadstool" type and which grow upon the ground either in woods or fields. Many of our most highly prized edible forms have their homes in such places—but so does the deadly *Amanita* which causes the larger proportion of accidental deaths. The *Amanitas* are readily distinguished from the edible forms by the careful student, but the amateur or novice may easily be led astray. And certainly the foolhardy individual who gathers and uses specimens which merely resemble some he has seen others gathering need not expect to escape the consequences.

A peculiar feature about the various forms of *Amanita* is that they are among the most graceful of fungi. The various colors and shapes which they assume make them equally attractive to the eye of the amateur who would hesitate to eat some of the edible fungi of unattractive appearance might easily lead toward certain of the *Amanita* because of their delicate grace and beauty. Yet in most cases of mushroom poisoning it is one of the numerous family which is responsible for the mischief. The white form, found growing either in woods, grassy places or even lawns, is one of the most beautiful. It bears the significant name "Death Angel" because of its extremely potent poison. A small portion of a single cap will cause death. And so subtle is the poison of *Amanita* that not infrequently before a person begins to feel the symptoms of trouble after having eaten of it the case is so far advanced that it is impossible to save the patient. For some of these loidal poisons no antidote is known.

THE COMMON EDIBLE MUSHROOM

Inhabiting the same open, grassy places in which the *Amanita* is found there grows the common mushroom so extensively used for food, *Agaricus campestris*. In general appearance there is a similarity which probably has deceived many. Yet the student will have no trouble after a little in distinguishing between this and the various forms of *Amanita*. A study of your mushrooms in connection with freshly gathered specimens of each is the only way to a proper understanding of their similar matters.

The *Agaricus* grows almost everywhere outside of the deep woods. In some places it grows in luxuriant abundance. Many people without scientific knowledge whatever mushrooms gather it freely at most cases without dire results. Every fall the newspapers herald an annual harvest of mushroom vintners. Knowing ones suspect the reality. An *Amanita* has been gathered with a basket full of the *Agaricus*. All this would have been obviated by a little care and study. It continues to be the case that the common fungus is more widely collected for food than any other most frequently by the uninformed. It is also cultivated for market in large quantities. The mushroom spawn which is commonly sold for growing these fungi in the cellar is of this variety.

THE FIELD MUSHROOM, OR FAIRY RING

Closely allied in species, though not in appearance, is the field mushroom. The amateur will early become acquainted with this form of experience a peculiar thrill of discovery each time he discovers it. It is a dainty little creature varying in color from white to deep tan. It is of a somewhat leathery appearance. In size it measures rather than over 1" across the cap. It grows in fields and pastures throughout the summer—being especially plentiful following a heavy rain. Collectors know it by the name "fairy ring," since the plants sometimes occur in the form of a circle or ring in the grass. It is always that the full outline of the circle can be determined, but then this will be quite perfect.

Sometimes the fairy ring appears in a well-kept garden. (Continued on page 82)



Why You Should Have a KOHLER Sink in Your Kitchen

KOHLER Sinks have the same *quality* distinctions that make KOHLER Bath Tubs and Lavatories first choice for the well planned home.

The patterns are varied, to suit every requirement, and the designs have the hygienic features that are characteristic of all

KOHLER WARE

always of one quality—the highest

KOHLER Sinks are made for right and left-hand corners, for recesses and for open wall spaces. They have right, left or double sloping drain-boards, and are made with and without aprons.

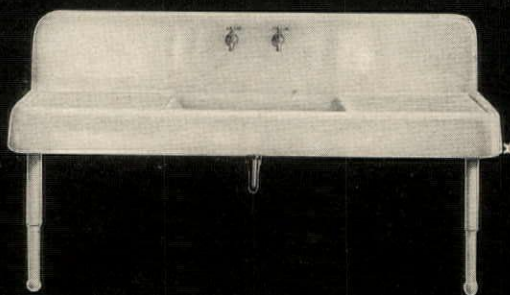
The *whiteness* of the enamel is notable in all KOHLER products, each of which has our permanent trade-mark—a guarantee of its *high quality*.

If your plumber has no specimens of KOHLER WARE on display, write us, and we will send you our interesting book, "KOHLER OF KOHLER." Address Dept. F-4.

KOHLER CO., Founded 1873 Kohler, Wis.

Boston New York Philadelphia Atlanta Pittsburgh Detroit Indianapolis Chicago St. Paul St. Louis Houston San Francisco Los Angeles Seattle London

★ The KOHLER permanent trade-mark in faint blue appears on end of sink shown by star.



K-1003-A

YOU cannot have the charm of a home that always looks fresh in its colors until you have seen roof and side walls in two soft-toned browns or greens, or a "Dixie White" and a moss green, made possible by using

"CREO-DIPT" STAINED SHINGLES

Ask for color pad and book of homes.

"CREO-DIPT" CO., Inc.
Standard Stained Shingle Co.
1012 Oliver St.,
No. Tonawanda, N. Y.
Factory in Chicago for West



This house is one of more than 200 in Cincinnati with different CREO-DIPT color combinations.



House of Mr. Chauncey Olcott, Saratoga, N. Y.
Charles Barton Keen, Philadelphia, Architect

THREE of the essentials for success in building a home are—a practical plan, artistic design, and good workmanship. But without the fourth essential—proper selection of materials—the other three are of little avail.

Take the matter of lumber. All woods are not equally good for all uses. One is good for one purpose—another for another. Select woods for their proper uses, and you will have no disappointments.

WHITE PINE

Any architect, carpenter or lumber dealer will tell you that for the outer covering of a house—subjected to the rigorous onslaught of rain and snow, heat and cold, sun and wind—no other wood is so durable and holds its place so well, without warping, splitting, rotting or opening at the joints, as White Pine.

"White Pine in Home-Building" is beautifully illustrated and full of valuable information and suggestions on home-building. Send today for this booklet—free to all prospective home-builders.


"The Helen Speer Book of Children's White Pine Toys and Furniture"—a fascinating children's plan book, from which a child may build its own toys and toy furniture. Prepared by Helen Speer, the toy expert. If there are children in your home, sent free on request.

Address WHITE PINE BUREAU

1419 MERCHANTS BANK BUILDING, ST. PAUL, MINN.

Representing

The Northern Pine Manufacturers' Association of Minnesota, Wisconsin and Michigan, and The Associated White Pine Manufacturers of Idaho



PETERSON, SINCLAIRE & MILLER INC.

LAWN CONSTRUCTION

IN building the foundation, selecting the fertilizers, preparing the soil, choosing the proper seeds, and producing the turf, as well as providing for its maintenance, the scientific and practical experience of our engineers and the results guaranteed by us are invaluable.

Our new booklet, "Turf Engineering," should interest every estate owner. Mailed on request.

25 WEST 45TH STREET NEW YORK

TURF ENGINEERS

Cornell

Systems of Irrigation

Make You "Rain-Independent"

WHEN your neighbors' lawns and gardens are burning up during the dry days of midsummer, *your* grounds will be flourishing in luxuriant green, if irrigated by the Cornell Systems. For all time these systems deliver you from the anxieties and losses due to uncertain weather.

Cornell Systems are quickly installed, without injury to the ground. They eliminate the inefficient, time-wasting hose. And they are inexpensive to operate.

The Underground Systems for Lawns, illustrated below, lends beauty to any lawn, and does not interfere with mowing.

The Overhead System for Gardens consists of upright pipes rising from underground lines. No overhead piping to interfere with cultivation. No small apertures to become clogged.

The famous Cornell "Rain Cloud" Nozzle produces an artificial rain which can be instantly regulated at will from a fine mist to a heavy shower. For small lawns we recommend our Portable Sprinkler, covering areas from 15 to 45 feet in diameter.



Write for Illustrated Booklet

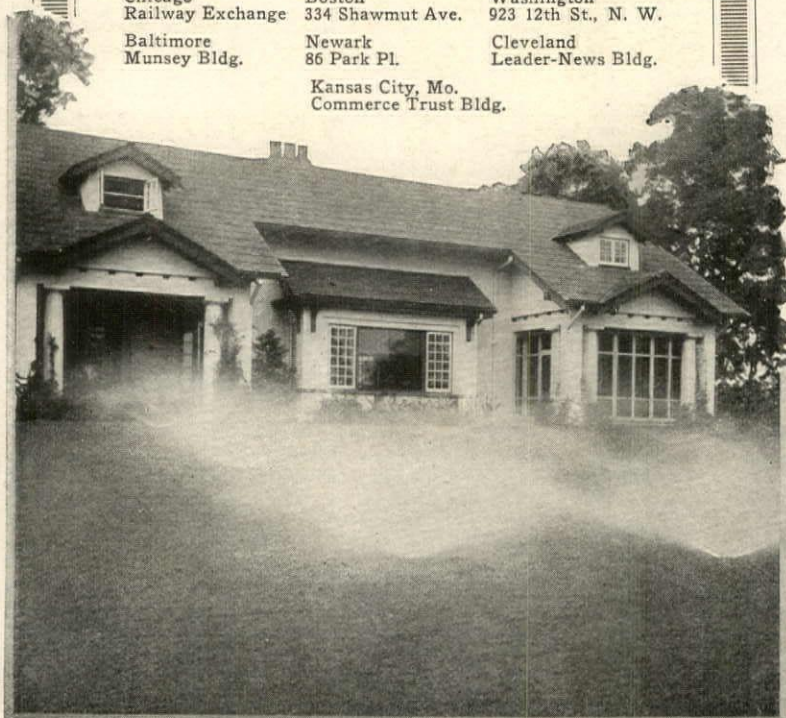
W. G. Cornell Company

Engineers & Contractors

UNION SQUARE, NEW YORK

Plumbing, Heating, Lighting, Automatic
Sprinklers, Water Supply Systems, Sewage
Disposal Plants, Automatic Sewage Ejectors.

Chicago Railway Exchange	Boston 334 Shawmut Ave.	Washington 923 12th St., N. W.
Baltimore Munsey Bldg.	Newark 86 Park Pl.	Cleveland Leader-News Bldg.
	Kansas City, Mo. Commerce Trust Bldg.	



Knowing the Wild Mushrooms

(Continued from page 80)

out the grass in a complete circle. In one instance three such rings appeared in quick succession, much to the distress of the owner of the lawn who could with difficulty be convinced that the "pesky things" were good to eat. There is no other fungus, however, to be mistaken for the "fairy ring"—save a somewhat similar form which grows in the woods. This is darker in color and possesses certain very easily determined variations from the form which grows in open places. It is non-edible. fairy rings which grow in pastures and on open hillsides have no counterpart among the poisonous species. While the plants are small, the form is similar though somewhat straggler than that of the *Pleurotus* family.



Color Tendencies in Spring Fabrics

(Continued from page 37)

A very beautiful example of a hand-blocked French linen is illustrated here. Among the many flower patterns of the season it stands quite alone, first because of its graceful design and secondly because of the sheer beauty of the color blending. Against a putty, a rich wine color or a black background,—for the linen comes in those tones—are sprays of flowers in a riot of vari-colored greens and browns, red, violet, tan and gray. It comes 31" wide and costs \$1.75 a yard.

Quite European in character is the very quaint bird pattern, which would be most effective with early English furniture. Not only is the design more than ordinarily good, but the colorings are such as one seldom finds in a domestic cretonne. The narrow stripe is black with the design in greys, red brown and putty color—the wide stripe a light cream color with a very cool green foliage—mauve and mulberry flowers and a soft green and brown bird crimson-breasted. The effect is quite like the very costly hand blocked English linens. It is 36" wide and sells for 59 cents a yard.

If you have a summer home with a room that looks out to sea, do choose for it the sea gull pattern. The manufacturer of this and the one above has succeeded each season in bringing out a series of cretonnes that for sheer originality in design and color are unlike anything else that is made in America. This sea gull pattern is highly conventionalized and comes in many unusual combinations of color,—a black background shows motifs of old blue and brown and white birds with cool yellow and mulberry wings. A putty background has taupe and blue motifs and mustard yellow birds with wings of lacquer red and light tan. It is priced at 59 cents a yard, 36" wide.

JEWEL CLOTH AND OTHERS

A departure of equal interest is one of the features of another domestic line. It is called a "jewel cloth." On backgrounds of various color, but particularly effective on black, are sprinkled gold dots which are oddly enough impervious to washing. Against this are silhouetted white trees and flowers picked out in brown and birds of the gayest plumage,—red, yellow, green and blue. When this cretonne is hung unlined against a window or used for a lamp shade or shield, the effect is delightful, as the foliage and the birds stand out in vivid relief. It is \$1.35 a yard; 36" wide. The same cretonne may also be had without the dots, at 85 cents.

This manufacturer is also responsible for the bird pattern, which has already proved unusually successful. The idea was taken from a costly

linen and has been beautifully rendered in a number of colors—backgrounds as mustard, black, and natural linen color being best. In the first three instances pattern shows rich rose colored flowers, brilliant green foliage, and gray cloud effects, and brilliantly colored birds, but on the natural colored linen background leaves are gun metal and gray flowers white and rose variegated cloud effect soft brown and the brilliant only as to breast and The width is 36" and the price 48 cents a yard.

FOR THE LIVING ROOM

A gay cotton taffeta with a conventionalized pattern is shown attractively used. For living room sun parlors or porches of summer homes, effective inexpensive pattern of this type are greatly in demand. This one may be had in a many color combinations. Two are particularly good have a background—black foliage and flowers of mustard, rose and blue in case and mustard, mauve and blue the other. It is 48 cents a yard.

Ideal for the same purpose is a Jack-o-lantern pattern, which is for indoors in the colors shown in the photograph: several shades of blue, crimson and violet against white background. But it is more effective with a black background and the design in orange, dark and light green and of old blue. With red, blue and green wicker furniture a cretonne so colorful as this is a wise choice for seat cushions particularly used with other cushions of contrasting the predominant shades. In this—green or orange cushions would be most effective. It comes at 50 cents a yard.

Fruit designs are still so frequent as to be most welcome, particularly when they can be found in the less expensive domestic fabrics.

A very modern apple pattern is shown photographed in white background with brown twigs and green leaves, blossoms in natural tones and oddly enough in deep red rose, and when violet accompanied by grapes and illustrated in the design with a black background and the coloring in the design; 36" wide and costs a yard.

In the midst of all the novel patterns of the season, one greets with pleasure a simple lovely flower pattern such as the wistaria design. The material is a cotton taffeta, the background the leaves of cool, green tone, the flowers prettiest in the natural violet of the flower itself, or tones of rose shading from a heliotrope tone to a touch of blue. It is 36" wide and costs 48 cents a yard.

FOR YOUR HEALTH'S SAKE



You Need One In Your Home

A refrigerator can either be your health's greatest protection or its greatest danger. Cheap, poorly constructed refrigerators without proper circulation of air are the breeding places of germs and instead of keeping food fresh actually contaminates it.

In order to receive the maximum of refrigerator excellency, you should own a

MCCRAY

Sanitary Refrigerator

They are lined with Snow White Opal Glass—stain proof and acid proof—that is easy to keep clean and absolutely sanitary. The McCray system insures a constant circulation of cold, dry, pure air throughout every food compartment, which refrigerates perfectly.

McCray Sanitary Refrigerators are used in the U. S. Government Pure Food Laboratories and Hospitals because they meet every requirement for sanitation, perfect refrigeration and economy of ice consumption.

Let us send you our large illustrated catalog which shows a great variety of stock sizes from \$30.00 and up for every requirement. Any McCray can be arranged with an outside icing door. Special size and built-to-order for particular requirements or to match interior finish.

Send for Catalog

No. 92 for Residences.

No. 51 for Hotels, Restaurants, Clubs.

No. 70 for Grocers.

No. 74 for Florists.

No. 62 for Meat Markets.

MCCRAY REFRIGERATOR CO.

716 LAKE STREET

KENDALLVILLE, IND.

Agencies in all principal cities.

Bay State Agatex

Block the attacks of water, grease, scuffing shoes and heavy furniture on your cement floors with Bay State Agatex.

Cement is porous. The first drop of grease spells ruin to the even, good-looks of your floor. No amount of scrubbing will rejuvenate it. Water is absorbed and the resulting dampness is unhealthful. Constant friction creates dust, cracks and pits. And, *think*—a little precaution—a coat of Agatex, will keep your floor new.

Two coats of Bay State Agatex cover your floor. It sinks in and binds every little particle of cement.

It makes the floor wearproof, waterproof, oilproof, dustproof and every-other-kind-of-proof.

Send for our booklet No. A 2. It tells how and why you should use Agatex, also what it costs.

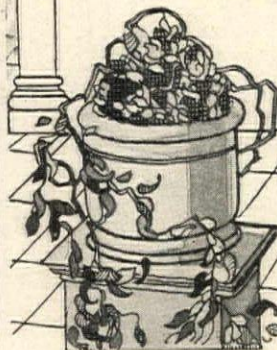
Bay State Brick and Cement Coating makes brick, cement and stucco walls waterproof. It gives them a good complexion and keeps it there. Made in white and a variety of tints. Send for sample and Book No. 2.

WADSWORTH, HOWLAND & CO., Inc.

Paint and Varnish Makers

Boston, Mass.

New York Office: Architects' Building



ymar
mbury, II,
Architect,
N. Y.



Stained
with Cabot's
Creosote
Stains

For Roofs, Siding, Timbers and all Other Outside Woodwork

where beautiful and lasting colors, cheapness and preservation of the wood are desired, use

Cabot's Creosote Stains

They have proved their merit in every climate for over thirty years and are endorsed by nearly all the architects, who have specified them for years. The colors are soft, rich and harmonious. The Creosote penetrates the wood and preserves it, and they make wood less inflammable. Shingles make the warmest and cheapest outside finish, and a shingled house stained with Cabot's Stains is the ideal, cozy American country home.

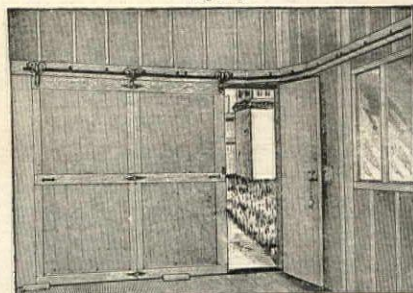
You can get Cabot's Stains all over the country. Send for samples of Stained wood and name of nearest agent.

CABOT, Inc., Manfg. Chemists, 11 Oliver St., Boston, Mass. 24 W. Kinzie St., Chicago 523 Market St., San Francisco

MYERS RIGHT ANGLE ADJUSTABLE GARAGE DOOR HANGER

Fig. 1789

THE most practical garage hanger on the market today. Adjustments are such that the doors can be moved up or down and to or from the building as conditions require. The door is hinged in sections and slides easily around the inside corner of the building. The entire outfit is thus always protected from the weather. No more accidents or trouble from the use of the old style hinged swinging doors. The single foot door obviates the necessity of opening the entire set when not required. When open the door lies close against the wall allowing full clearance for entering and leaving.



For the small city garage the Myers cannot be equalled. It is, however, just as adaptable and convenient, either inside or out, for any size building where sliding doors are desired.

A card to our Service Department will bring you descriptive circulars illustrating the new Myers Hanger.

F. E. MYERS & BRO.

ASHLAND, OHIO
350 ORANGE ST.

ASHLAND PUMP AND
HAY TOOL WORKS

WHITTALL RUGS

are the pride of the carpet department in all good stores.

Their refinement of color and beauty of design are faithfully described in our illustrated book "Oriental Art in Whittall Rugs"

Yours for the asking

M. J. WHITTALL ASSOCIATES
312 Brussels St., Worcester, Mass.



Bobbink & Atkins



Special Features, Spring Planting

HOME GROWN ROSES
TREES and ORNAMENTAL SHRUBS
HARDY OLD-FASHION FLOWERS
OUR GIANT FLOWERING MARSHMALLOW
HOME GROWN RHODODENDRONS
EVERGREENS
and 150 other specialties

Five Hundred Acres of Nursery; Half a Million Feet Under Glass. Visit Our Nurseries, only Eight Miles from New York, or Write for Our Complete Illustrated Catalogue.

Rutherford, New Jersey

The Ever Essential Rose

(Continued from page 31)

Fourth, protection: the use of such measures as will guard the plants in summer from insects and diseases likely to interfere with their perfect development; and in winter, from injury by freezing, the weight of snow, etc.

Anyone who is starting out to grow roses must make up his or her mind in advance that much careful thought and some experimenting along each of these lines will be necessary before full measure of success is to be expected. You may say to yourself "Uneasy must lie the head that would wear a crown of roses," but most of these things, after the first year or so of experience, will become routine work, not nearly so formidable as it looks to the beginner. It is much easier to succeed with roses today than it was a few years since. There are more good varieties that are also robust and hardy; there are newer types suitable for conditions under which the older sorts would not succeed; and the means of fighting insects and disease have been improved in efficiency and also in convenience. There is no reason for the rose lover to be discouraged. But not to call attention of the beginner to the difficulties which exist and which must be overcome would simply be to lead him to encounter for himself trouble and discouragements which might have been avoided.

As to which of these various factors of success is the most important it would be difficult to say. But I can say without hesitation that the first step toward success is the selection of types that will be suitable under the conditions that have to be met in any particular case. Climate is a much more important factor in the growing of roses than with almost any other of our hardy ornamentals. The soil, the situation, the amount of time that can be given, the purpose for which the flowers will be wanted, are other things which must be kept constantly in mind in making out your rose list.

TYPES AND THEIR SPECIAL USES

Your first impulse will probably be just to "grow roses." But as soon as you have made that excellent resolve you should decide how you want to grow them, whether for their beauty in the garden, or to decorate the house, or to add a unique touch to the landscape, or to decorate the trellis, pergola or porch. Also, you should consider seriously your limitations. If, for instance, in your part of the country the temperature seldom goes below zero, you will have no difficulty in growing most of the roses generally listed; but if you are in a section where the temperature does get well below zero, or stays near it for a long period, you should be careful to choose only such types and varieties as are recommended for severe climates. Even if your space is very limited, by a judicious use of the climbing and semi-climbing roses available you may have cut flowers in abundance, as well as a very decorative effect with the plants. If your roses must largely



Courtesy of Conard and Jones

The American Pillar sends up strong canes for 10' or more, if supported. Rosy pink with good foliage

be left to take care of themselves you may still find those which suit your needs and blossom profusely. The following are the principal classes or types. You have the distinctions between clearly in mind before making selection of varieties.

Hybrid Perpetuals: The perpetuals, or "H. P.'s" as they are usually called, are the hardiest, the most vigorous growing of regular bush or garden roses. "perpetual" in the name, however, applies to their persistency in not in blooming. They are "spring" or "summer" roses, which freely in June and again to some extent in the autumn. Where the climate is too severe for hybrid perpetuals or you have not time to give adequate winter protection, a selection of H. P.'s will give you the colors wanted, except yellow. That purpose the Austrian briar can be used. A yellow H. P., L. Moeller, was produced last year. It is a European introduction and has not yet been sufficiently tested in this country to prove its worth. If it will fill a long felt want.

Hybrid Teas: These are without doubt the most important class of garden roses. Their advantages over the hybrid perpetuals are that they bloom more freely and more profusely, being known as the most or ever-blooming roses, and they are more fragrant and have more fully formed flowers and a wider range of coloring. Their chief advantage as compared with H. P.'s has been that they are less likely to have the unattractive habit of growing in the garden. As they are being given attention by all of the world's prominent hybridizers, however, their shortcomings are being gradually corrected. In selecting hybrid teas for garden use pay particular attention to the habit of growth of the plant as well as to the beauty of the flower—and to hardiness, particularly

(Continued on page 86)

NITRO-FERTILE



Quick Growth for Lawn and Garden

Your grass, flowers and vegetables will show the same remarkable results that these Cleveland people secured.

Nitro-Fertile is an odorless liquid to be mixed with water—two tablespoonsful to the gallon. It soaks in around the roots where it is immediately absorbed by the plant, thus stimulating a quick, healthy growth.

What Cleveland Users Say

Rudolph F. Thurman, Supt. F. E. Drury Estate
"To Nitro-Fertile, I give the credit of producing chrysanthemums that won first prize in the Cleveland Flower Show. Have also given it a thorough trial on outdoor plants with very marked results."

A. C. Kendel, Seed Merchant
"After selling Nitro-Fertile for three years, we find the results of its use to be very evident. We look for constantly increased sales in it, to our retail trade."

Hugh L. Thomas, Gardener to Chas. A. Otis
"One had only to see my vegetables and flowers to note the marked difference between those treated with Nitro-Fertile and those not treated with it."

Nitro-Fertile supplies every element needed for plant growth and will give you better foliage, finer fruit and larger blooms.

NITRO-FERTILE

Trade Mark



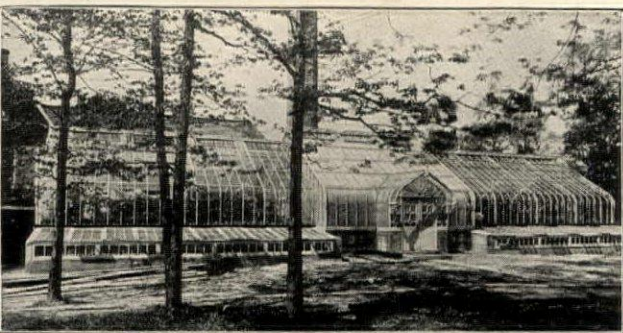
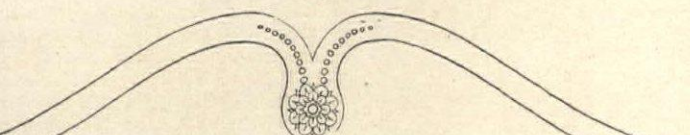
TRIAL BOTTLE, 35c Postpaid

Half-pint enough for 15 gallons of fertilizer will be sent for 35c if your dealer's name is mentioned.

Order now—1 Gal. \$2.00, 1 Qt. 60c.
1/2 Pt. 25c. at your dealers.

The Fertile Company
1009 Leader-News Bldg.
CLEVELAND, O.

Also manufacturers of Lime-Fertile—a complete fertilizer in powdered form.



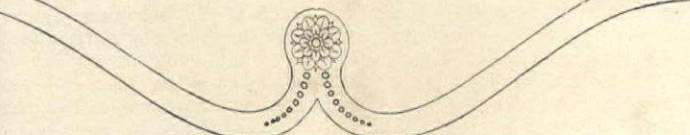
Moninger Greenhouses

are constructed to combine both beauty and strength. Their graceful lines have added to the charm of many of the finest country places in America and the strength and practicability of their construction have made them the choice of the largest commercial growers all over the country.

We will be glad to send you our new booklet which describes the Moninger method of greenhouse construction. It is full of interesting information which you are sure to find helpful.

JOHN C. MONINGER COMPANY

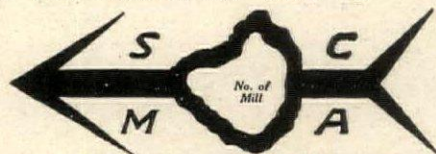
Chicago Cincinnati New York
911 Blackhawk St. 2311 Union Central Bldg. 811 Marbridge Bldg.



IMPORTANT NOTICE TO LUMBER USERS:

THE SOUTHERN CYPRESS MANUFACTURERS' ASSOCIATION HEREBY INFORMS YOU THAT ALL CYPRESS NOW AND HEREAFTER SHIPPED BY MILLS WHICH ARE MEMBERS OF THE ASSOCIATION WILL BE

IDENTIFIED
BY THIS MARK



TRADE MARK REG. U.S. PAT. OFFICE

This registered trade-mark will be, henceforth,

YOUR INSURANCE POLICY OF QUALITY

It will appear stamped (mechanically and ineradicably on one end, or both ends, of EVERY board and timber of

CYPRESS "THE WOOD ETERNAL"

CYPRESS FLOORING, SIDING, MOULDING AND SHINGLES, which come in bundles, will bear the same mark on EVERY BUNDLE.

The legal right to apply this epoch-making symbol of strict RESPONSIBILITY IN LUMBER MAKING AND SELLING

is, of course, restricted to those Cypress mills which by their membership in the Southern Cypress Manufacturers' Association, attest their devotion to its Principles of SERVICE to the CONSUMER and their foresighted appreciation of its open and progressive educational methods. Only mills cutting "Tide-water" Cypress are eligible for membership. (Cypress which grows too far inland is not equally noted for the "Eternal," or decay-resisting, quality.) Only mills which subscribe to the Association's standard of scrupulous care in methods of MANUFACTURE, INTEGRITY OF GRADING and ACCURACY OF COUNT can belong to the Association. These responsible "A-1" mills the Association now licenses to

CERTIFY THEIR CYPRESS by applying the registered trade-mark with their identifying number inserted



TRADE MARK REG. U.S. PAT. OFFICE

By this mark you know that it's Cypress, "the wood eternal," and worthy of your faith. It is well to insist on seeing this trade-mark on every board offered as "Cypress."



TRADE MARK REG. U.S. PAT. OFFICE

Let our ALL-ROUND HELPS DEPARTMENT help YOU MORE. Our entire resources are at your service with Reliable Counsel.

Southern Cypress Manufacturers' Association

1210 Hibernia Bank Building, NEW ORLEANS, LA., or 1210 Heard National Bank Building, JACKSONVILLE, FLA.

Insist on Trade-Marked CYPRESS at your local lumber dealer's. If he hasn't it, let us know.

Gladioli

EXCLUSIVELY

7,000,000 bulbs of the best quality were produced at "Cedar Acres" the past season. This splendid stock makes me independent of foreign importations and enables me to offer the best bulbs of the best varieties at exceptionally low prices.

For example, in lots of 100: America, light Pink, \$2.00; Baron Hulot, blue, \$3.00; Halley, salmon pink, \$2.00; Isaac Buchanan, yellow, \$6.00; Panama (companion to America) hermosa pink, \$5.00; Mrs. Frank Pendleton, Jr., pink, red blotched, \$7.50.

My illustrated booklet No. 17 describes many new and marvelous creations. It gives cultural instructions and much interesting information about the Gladioli. You should have a copy of it. It is free.

B. HAMMOND TRACY

Cedar Acres

WENHAM, MASS.



The light that matches your furnishings

In your ambition to beautify your home how often have you longed for a lighting fixture which would strike a warmly sympathetic note with the decorative scheme?

Illumination and decoration may now be brought into perfect harmony by means of the

Holophane Decolite
"The Light of Your Personality"

Decolite consists of a double bowl-shaped lighting glass. Between the two bowls you insert fabric of your own selection. When you change your draperies this Spring, material of the same pattern and color, to harmonize, may be easily inserted in the Decolite. Imagine the beauty of a room in which the lighting forms a perfect symphony with the curtains and furniture coverings!

The Decolite spreads a soft restful glow throughout the room. No glare or eye-strain. Scientifically designed to give the best quality of light at a saving of current.

The wonderful Holophane System of Illumination, of which the Decolite is a part, includes many other lighting fixtures which provide efficient and economical illumination for every room in the house.

If your Dealer cannot supply you write for the Free Booklet, "Decolite, the Light of your Personality," giving helpful color suggestions.

Holophane Glass Co., Inc.
340 Madison Ave., Dept. D7
New York City

Holophane



Southern Yellow Pine

If you are not familiar with the economy, workability and beauty of

Southern Yellow Pine

when used for interior woodwork, send today for FREE Booklet which explains the best methods for finishing with paints, stains and enamels. The title is: "Directions for Finishing Southern Yellow Pine." It is valuable and it is FREE. Write for this interesting Booklet today.

Southern Pine Association
5052 Interstate Bank Building
NEW ORLEANS LA.

The Ever Essential Rose

(Continued from page 84)

for use north of the latitude of Philadelphia.

Teas: The tea roses for outdoor cultivation have been rather left behind by the development of the hybrid teas, which carry their good characteristics of fragrance and delicate coloring with increased hardiness. The comparatively few good garden varieties, however, contain some of the most sweet scented of all roses, and they bloom continuously. They are lacking in crimson shades just as the H. P.'s are in yellow.

The *Pernetianas*, or hybrid Austrian briars, are a much newer type. They have not as yet received the general recognition to which they are entitled, and perhaps for that reason a number of splendid new varieties which have Austrian briar blood are usually listed as hybrids teas or hybrid perpetuals. I have mentioned several such in the list of varieties given at the end of this article. This race is particularly strong and vigorous in growth. It is safe to predict a great popularity for it in the near future.

The Damask roses are extremely hardy and very sweet scented, although they flower but once during the season. The Moss roses, having a unique moss-like covering on the outside of their buds, are very pretty. The Bourbon, Bengal and China groups also contain several varieties of special merit, some very free flowering and others very hardy.

CLIMBING, HEDGE AND DWARF ROSES

Ramblers: The first of the climbing roses to attract universal attention was the flamboyant crimson Rambler, which took like wildfire and quickly became more popular than any other climber ever introduced, although now there are several of superior merit. This group has been added to rapidly within the last few years, and now contains a great variety, both in color and form. A few of these are of the true Rambler or cluster type, but more are Wichuraiana hybrids. Many of this group are extremely hardy. There has been an effort lately, to some extent successful, to extend the flowering period. All of this type are good for training against the house, covering pergolas, trellises, arbors, etc.

Climbing Garden Roses: The difference between this new class and the above is that the flowers are of the garden type and suitable for cutting. They are climbing hybrid perpetuals, hybrid teas, and teas, many of which are hardy enough for use where the older southern, or tender, climbing roses could not be utilized. Some of them are more or less ever-blooming. With them it is possible to have roses for cutting pretty much throughout the year, even if one has not room and time for a regular rose garden. Fine new varieties are now being produced rapidly in this class, and every lover of roses should keep an eye on them and try out those which seem most suitable to his or her wants and conditions. Some varieties are not real climbers, but are of what is classed as "pillar" roses, which throw up strong canes reaching a height of from 6' to 10' when supported by a post or upright trellis. They are exceedingly

decorative as well as in most cases, for cut flowers.

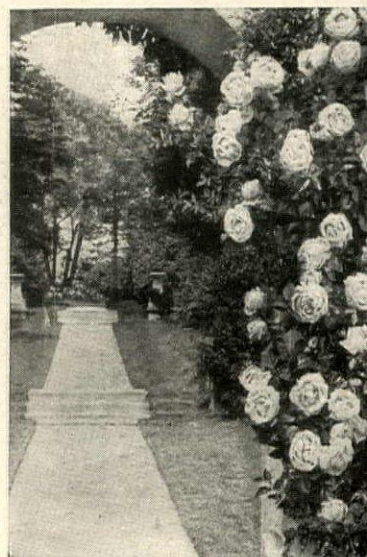
Hedge Roses: Use first requisite in a rose is hardiness. Foremost of this class the Rugosas, attaining height of 6' to 9' abundant, thick, dark foliage, and remaining beautiful throughout the year. They may be used in escape planting, or in rose gardens, or in adverse conditions. Austrian or yellow roses are equally desirable for their hardiness.

general vigor of growth. The sweet briars, (or Lord Pembroke hybrids) grow taller, and sh given some support. While not as good as the above for hedge, for planting a few feet in a long row, or for single stems, they are particularly e

THE BABY RAMBLERS AND ANTHUS

The dwarf or "baby" roses are quite ideal for low hedges, edging, and for planting in beds where a mass of color is desired. They are also very pretty flowers. The baby Rambler polyanthus reach a height of 18" to 24". While they will need as much exposure as the rugosas are harder than most of the varieties. They are, moreover, easily protected.

Roses, and particularly the varieties, should be given a shelter where they will have sun most of the day. Shelter from the north or northwest is desirable, and in favorable climates is often essential meaning the difference between success and failure. The more shelter this protection can be the better. Roses can be grown with success in almost any soil provided it is well drained. While not preferring a rather heavy soil, a sandy one can be built up and maintained by the use of manure, fertilizers, and where possible addition of heavy or muck soil for good results. To make certain success too much care cannot be taken in the preparation of the beds should be gotten ready as far in advance as possible. If the soil is poor (Continued on page 88)



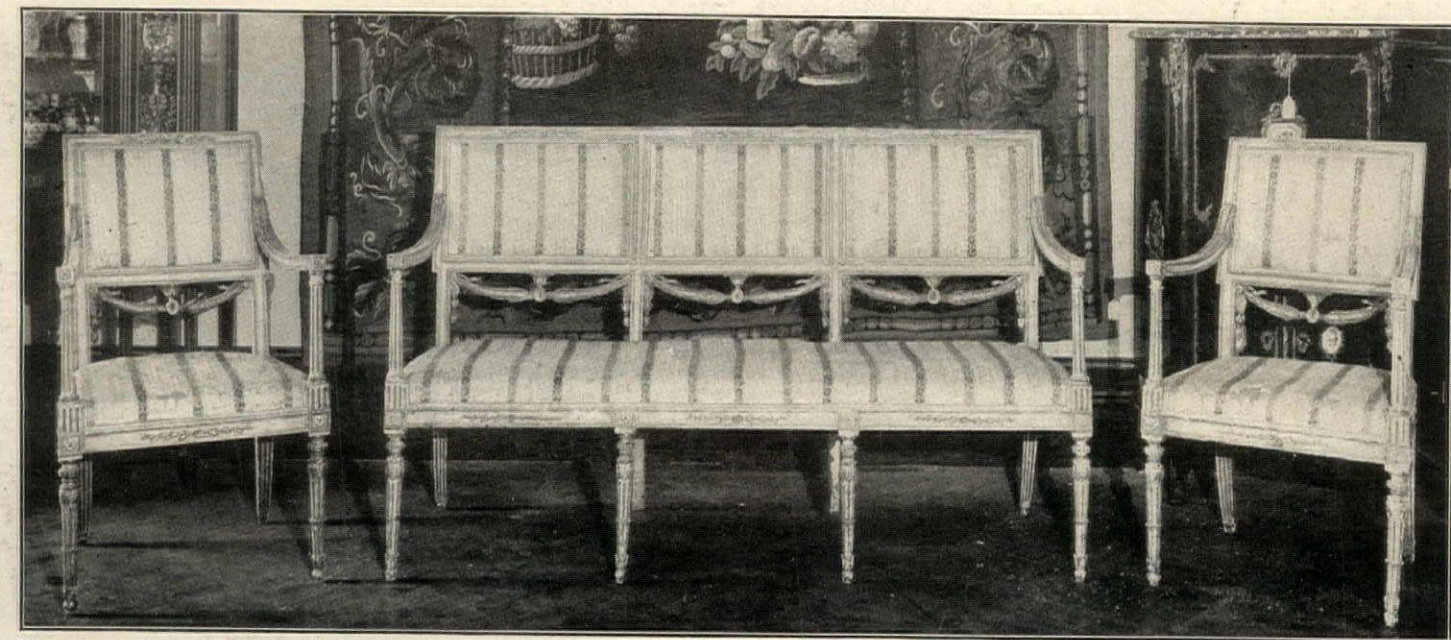
Dr. W. Van Fleet is a leader among the Wichuraiana hybrids. Its rich flesh colored blooms

NEW YORK

PARIS

ADAM SUITE

Green and Gold Decoration

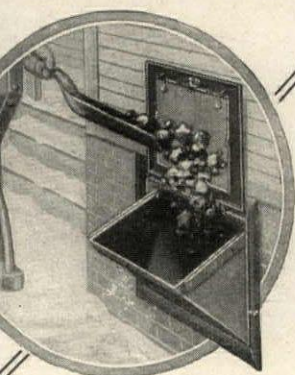


OLD FRENCH and ENGLISH FURNITURE
Tapestries, Porcelains, China and Glassware

H. KOOPMAN & SON

16 EAST 46th STREET
NEW YORK

OPPOSITE
RITZ CARLTON HOTEL



Complete Your Home

Your home is not complete unless equipped with the Majestic Building Specialties. They add to its comfort, health and beauty.

Majestic
COAL CHUTE

The Majestic Coal Chute is a wonderful asset to your home. The careless coal man cannot muss your lawns and walks. The coal dust can't fly through your windows. Every piece of coal goes into the bin. The Majestic Coal Chute acts as a window to your basement, locks on the inside and is burglar proof. Have one in your new home or put one in the house you are living in.

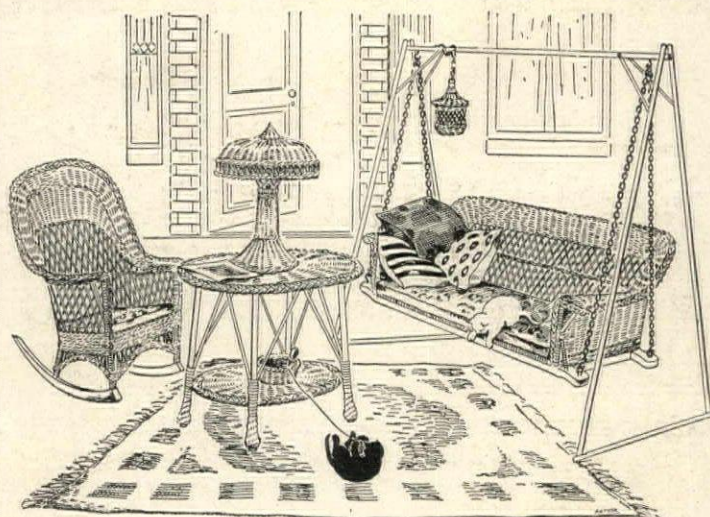
The Majestic Garbage Receiver is a protector of health. It is water tight and proof against flies, dogs, cats and vermin. No odors or health destroying vapors can arise from it. It is absolutely sanitary and safeguards your health.

Write for free catalog—describes our complete line of Coal Chutes, Garbage Receivers, Package Receivers, Rubbish Turners, Duplex One-Register Store Heating Systems, Metal Plant Boxes, Pipe and Pipeless Furnaces, etc.

THE MAJESTIC CO.
109 Erie Street,
Huntington, Indiana



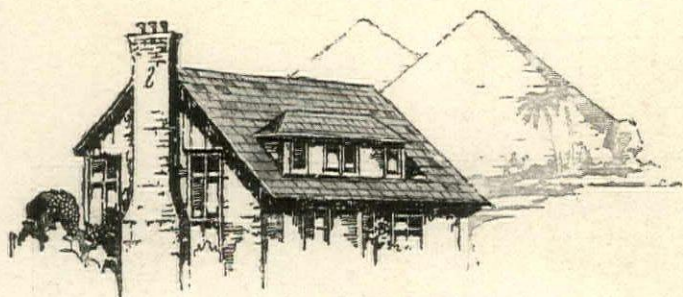
Majestic
GARBAGE RECEIVER



WILLOW Furniture that is unusually attractive and original in design.

Send for our illustrated catalogue and price list.

WHIP-O-WILL-O FURNITURE CO.
Scranton :: :: Penna.



The Pyramids Are No More Enduring

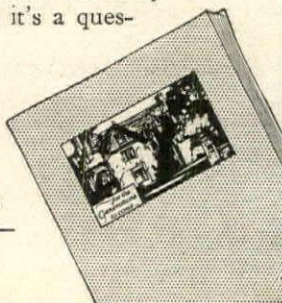
VERMONT SEA GREEN SLATE is just the deep green slate taken from Vermont quarries, cleft and cut to size. *That's why it's everlasting roofing.* The true coloring, enriching year after year, makes your house beautiful and different.

VERMONT Sea Green Slate

makes such a wonderful roofing, and there's so much to tell about it, that we've written a book containing 32 pages of worth-while information. *It's free.* Full of facts and figures, plans and actual photographs and tests. *All* roofs are discussed for *all* houses. The facts are given—you draw your own conclusions.

Then, when you're ready to roof, and questions crop up, the Vermont Slate Manufacturers' Publicity Bureau is at your service. Perhaps it's a question of laying slate over wood. Perhaps freight costs or the amount of slate to order. No matter what it is, we'll give you complete and impartial advice.

Sign and send the coupon and get this valuable book. It will save you time—and money.



THE VERMONT SLATE MANUFACTURERS' Publicity Bureau B, Granville, N. Y.
Please send me FREE your handsomely illustrated book, "For the Generations to Come." I am interested in roofing a (kind of building) _____

Name _____

Address _____

IN order to extend the scope and work of the Real Estate Mart in HOUSE & GARDEN, we have decided to add a new department. Every month our readers write in and tell us what they require in real estate, and this department will act as "Central," connecting buyer with seller and so put you in touch with the actual properties as they are listed. If you desire any kind of property just write in to us what you desire and where you desire it. State as fully as possible your wants and we will put you in touch with the party that has the very thing you want.

A 4 For Sale, "Beach Nest," a new bungalow located on the Boulevard one mile from Cambridge, Md. Built of blue gray granite, latest style red shingle tile roof, patented metal strips to windows and doors. Frontage on water. Excellent bathing, fishing and oystering. 2½ acres of well cultivated land. Price, \$30,000. Without furnishings, \$27,500.

A 5 For Sale, the Nini Moshay Ranch, at the bargain price of \$45.00 per acre. This is the Home Ranch, at the bargain price of Holstein Development Company Limited.

It is located one mile west of the C. P. R. station Airdrie, and the south half section is 17 miles due north of the Court House, Calgary. It consists of 1771 acres of nice rolling prairie, with the best Ranch Buildings of any ranch in the Province of Alberta. With numerous Springs of the purest water and natural shelters for stock.

Would be willing to take a small farm in the East of three or four hundred acres in exchange.

The Real Estate Mart—House & Garden
445 Fourth Avenue, New York

The Ever Essential Rose

(Continued from page 86)

nature thoroughly drained, artificial drainage may be omitted. The soil which is removed from the bed in the course of preparation should be thoroughly enriched with well rotted manure and with bone meal, preferably fine ground and coarse knuckle-bone, mixed half and half.

PERTINENT POINTERS ON CULTURE

Air drainage is almost as important as soil drainage—that is, garden roses should never be planted in a hollow or cup. The more exposed to the summer breezes and currents of air they are the better, and this will make a great difference in their general health, especially in keeping them free from mildew and other fungous diseases. The addition of wood ashes, or even sifted coal ashes to the soil is usually beneficial. While roses are not as particular about an acid soil as many other plants, unless you know that your ground is fairly sweet, it will be well to test it for acidity, and apply raw ground limestone if required.

What is the best time to set out your rose plants will depend upon the kind you buy. Dormant roots of plants are used very much less today than they were years ago. They should be set just as soon in the spring as the soil can be worked in late March or early April. If received before planting if possible they should be buried in soil, or in sand or coal ashes, and put in the cellar to keep moist but not wet. If dried and shrunk when received, bury them entirely for several days. If they clump all right and the roots have not been injured, they will be all right to plant.

Roses from pots which have been cool grown—that is, field grown roses taken up in the fall and potted over winter to start growth naturally in the spring—will give the surest and quickest results. They should not be put out until after danger from late frost is over. Growing potted plants that have been greenhouse raised is less satisfactory.

Be sure that you know what you are getting before you buy. While some growers prefer roses grown on their own roots, the trend of experience seems to be that grafted or budded roses are on the whole more satisfactory, and most of the garden varieties are now grown this way.

In planting budded roses be sure that the collar or graft, which can easily be distinguished by the swelling formed where the union of the top and roots has taken place, is put 2" below the surface, and keep a careful watch at all times to see that any suckers or shoots which start from below this joint are broken off at once. These can be readily distinguished as they have seven leaflets to each leaf instead of five. If allowed to grow they will quickly crowd out and destroy the top or blooming part of the plant.

The most important part about planting is to get the plants in firmly enough. Crowd the soil about the roots as firmly as is possible with the hands, and when the job is finished make it still more compact by allowing your whole weight to rest on the balls of the feet placed on either side of the stem. The dormant roses should be pruned back severely after planting, cutting away two-thirds or more of the top; leave only from three to five side branches and cut these back to within four to six buds or eyes of the main stem. This may seem like wasting a tremendous amount of the plant that you have paid out good money for,

but it is nevertheless necessary to want the best results. The should be spread out and set down in a natural position, and straggling or broken ends cut before planting. Pot grown roses usually require little or no pruning back in being set out. If the compact, sturdy looking plants show no sign of wilting, put them as they are. If tall and inclined to it may be well to sacrifice some of the growth when putting them in the ground. They should be cut a little deeper than they were grown in the pots.

One of the points in caring for garden roses which is most neglected is that of giving frequent cultivation from early in the spring throughout the growing season. The surface should never be allowed to crust over or become hard. For this purpose there is nothing more convenient than the adjustable pruner tooth hoe. With this little implement the soil can be gone over and easily.

MOISTURE AND PRUNING

Roses to do well require an abundance of moisture in the soil. In weather it will be best to water them, or water them thoroughly with the hose. Frequent cultivation, mulching the plants by putting grass clippings, the remnants of the winter mulch saved for this purpose, or some similar material, will aid to a great extent in keeping the number and the quality of the buds. However it is accomplished the grower should see that they do not suffer. You cannot have good roses in dry soil. As they begin to bloom they will also appreciate extra fertilization, especially of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way place, and stand in this a half bushel or so of manure, preferably horse manure. The resulting liquid will be free from straw and easy to handle, should be diluted two or three times to the color of weak tea, and poured about the plants after a rain or a thorough watering.

One of the most essential jobs in the rose garden is, of course, pruning. In the case of garden roses spring prune to four or five canes you want large masses of blooms, in larger individual blooms, in some numbers, save all vigorous canes cut back to 7" or 8" from the top. The ramblers and hardy climbing roses should be pruned little, just after their flowering season. Rugosa and Austrian briars also need little pruning, except to have the old canes cut back to the ground every two or three years. Where wanted for hedges, they can be pruned or cut back to any length desired. The ramblers and polyanthus should be thinned out rather than pruned, keeping all old wood, flower buds, etc., cut out.

PREPAREDNESS IN THE ROSE GARDEN

While the insects and diseases are likely to attack roses are numerous—there being nearly a dozen of the former and over a dozen of the latter—happily most of them by the use of modern methods of control can be kept in check by the following methods and means.

To begin with, however, one should be careful to select only the most vigorous and disease resisting varieties. This, as I have already

(Continued on page 90)

ous Hardy Lilies for \$1.

Delivery Included
 amp bulbs. Flower first season.



L. AURATUM. Japan's "Golden Queen." Immense blooms with a golden band through the centre of each white petal. 20 cts.
L. ROSEUM. White spotted and clouded rosy red. 20 cts.
L. ALBUM. Shimmering satin white, long green anthers, exquisitely fragrant. 25 cts.
L. TENUIFOLIUM. Masses of coral red bell-like flowers. 15 cts.
L. SUPERBUM. Our most gorgeous native lily. Oriental in the beauty of its leopard skin petals of brilliant deep orange with dark spots. Extra size. 20 cts.

L. Gem of the collection. The most trumpet lily in existence. 30 cts.
 wing directions with every order.
 d of the Rising Sun that supplies the
 es" for our Gardens. Our imports
 this year should have your attention.
 Paconias, Iris Kaempferi. RAHE
 ves, Maples, Magnolias. Send for our
 and choose for yourself something
 ereating.

H. BERGER & CO.
 Street New York

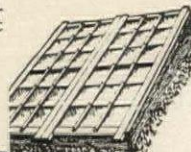
Means Double Protection

The non-conductive air
 er between the two layers of
 protects from frost. No extra
 needed. You get all the sun-
 hus producing healthy plants
 ou use

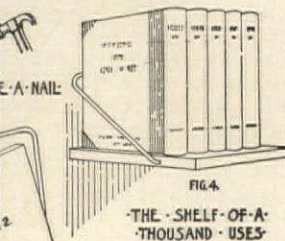
CALLAHAN O-GLAZED SASH

of red cypress with rot-proof
 d tenons. Special lockstrip
 glazing easy without danger of
 ing. It's the sash without a
 ck. Complete catalog of sash,
 d green- and green-
 equipment
 request.

Callahan
-Glazed
sh Co.
 Wyandot St.
 on, Ohio



R.SAL-PORTABLE SHELF- PATENT-APPLIED-FOR-



**THE SHELF-OF-A-
 THOUSAND-USES-**



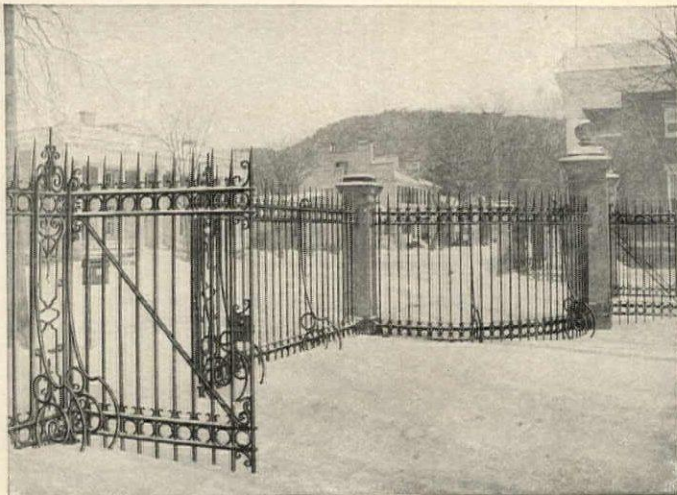
A novel device
 within this metal
 shelf holds it in
 proper position.
 SIZE 7 1/2 inches
 square. Weight
 one pound. Sup-
 ports a weight of
 20 pounds or
 more.
 New, novel, use-
 ful and practical.
 In demand among
 all classes of peo-
 ple, everywhere.

en, brown or black, 25 cents each.
 t or aluminum, 30 cents each. Postage
 self to any part of the world, 12 cents.
WANTED. write for liberal proposition.

GEO. W. CLARK CO.
 5th Ave. New York

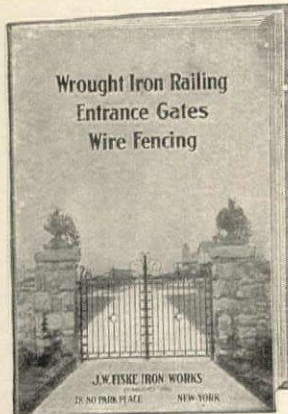
ES Everything for the
 Lawn, Orchard and Fruit
 Garden. Fruit Trees, \$10 per 100
 and up. Shade and Ornamental
 Trees, Shrubs, Roses—at lowest prices.
 NOW, before prices advance. New
 es: Rochester Peach, Butterfly
 Regis Everbearing Raspberry.

NURSERY COMPANY
 g., Rochester, N. Y.
 ed 1890.



Now is the Time and Here the Place to Select

**Wrought Iron Railing, Entrance Gates, Grill
 Work, Fountains, Vases, Settees, Wire Fencing,
 Arbors, Trellises, Tennis Court Enclosures.**



OUR properly illustrated book,
 which will be sent free, shows
 many beautiful designs and offers
 timely suggestions for improving
 the appearance of residence or
 other property.

A big stock, skilled artists to make
 up special designs, and a competent
 erecting force enable us to meet any re-
 quirements, and make the complete
 installation if desired.

If you cannot call at our show rooms,
 at least send for the book.

J.W. FISKE IRON WORKS

Established 1858

74-86 Park Place New York

400 Bearing Apple Trees

Sold and delivered by Fraser—
Not one of them failed to grow

We can
 move such
 trees into
 your garden

now and save you years of time. These trees are five to ten years
 old and if planted this spring should bear luscious fruit in 1918.
 They have already borne fruit; we know they are true to name.

Apples. Hubbardson, McIntosh, Wealthy, Spitzenberg, Big standard
 trees; bore 1 to 2 barrels of fruit in 1916. Trunks 4 to 6 inches in
 diameter, each, \$20. Packing and crating at cost.

Apples. 12 varieties—your choice. Trees 4 and 5 years old, \$2
 each, 6 for \$10.

Pears. Angouleme, Anjou, Bartlett, Clapp, Kieffer, Seckel, Wilder,
 Worden-Seckel. Five-year-old trees, each, \$2, delivered; 6 for \$10.

In small trees we have all good varieties of Apples, Pears, Plums, Cherries, Nuts,
 and Small Fruits, propagated from true to name plants.

Fraser's Tree Book, a useful booklet about fruit trees, written in plain English
 by a man who knows fruit, tells all about them and will be sent to everyone inter-
 ested in trees for the garden. Send your address.

Samuel Fraser Nursery, Inc., 179 Main Street, Geneseo, N. Y.

De Lue's Golden Giant SWEET CORN

The most important horticultural acquisition of recent years.
 Awarded the only Silver Medal ever given by the Massa-
 chusetts Horticultural Society for novelty and excellence in
 Sweet Corn.

DE LUE'S GOLDEN GIANT is the result of eleven years'
 selection by Dr. Frederick S. De Lue of Boston, Mass.,
 from the product of "Howling Mob" crossed with "Golden
 Bantam."

With its 12 to 16-rowed ears it gives nearly four times the
 yield per acre that the Golden Bantam does with its smaller
 8-rowed ears. The stalks are short and frequently produce
 two ears each.

Its orange golden color is richer; it is more delicious in
 flavor and is equally early.

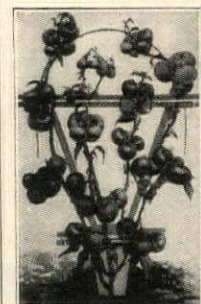
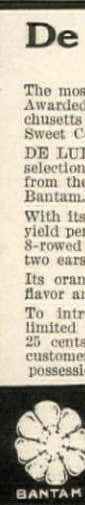
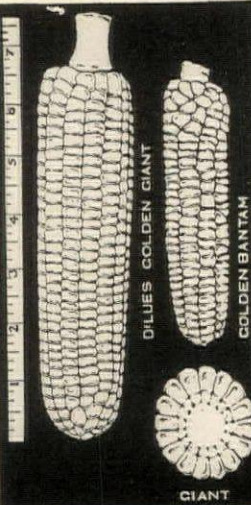
To introduce **DE LUE'S GOLDEN GIANT** we offer a
 limited quantity in packets containing 25 kernels each at
 25 cents the packet—not more than 4 packets to any one
 customer—postpaid anywhere in the United States and
 possessions.

Our 170-page Annual Catalog and Gardeners'
 Guide, 450 illustrations, several colored plates
 and cultural directions, will be mailed on
 application.

JOSEPH BRECK & SONS

New England's Leading Seed Store for Nearly 100 Years

51 and 52 No. Market Street Boston, Mass.



YOU CAN

**Grow Tomatoes
 Like These**

Have them a full
 month earlier and
 a full month later
 than your neighbor
 or competitor by
 following my in-
 structions for forc-
 ing, pruning and
 staking and by the
 use of

**Potter's Beat-All
 Plant Forces and
 Tomato Supports.**

The result of over 30 years' experience in
 fancy fruit and vegetable gardening.

I can tell you
 how to have the
 most delicious
 strawberries from
 your garden for 4
 months or more
 THIS summer from
 plants set THIS
 spring



**Absolutely With-
 out Crop Failure**

Also how the usual
 crop may be more
 than doubled in
 quantity and qual-
 ity. Experience
 taught me. Start
 right and avoid
 disappointment.
 You need this information early; do not delay.
 A 2c stamp will bring illustrated literature
 that will surprise you and be the source of
 pleasure and profit. Or, send 25c for book
 which will apply on future orders. Book free
 with all supplies.

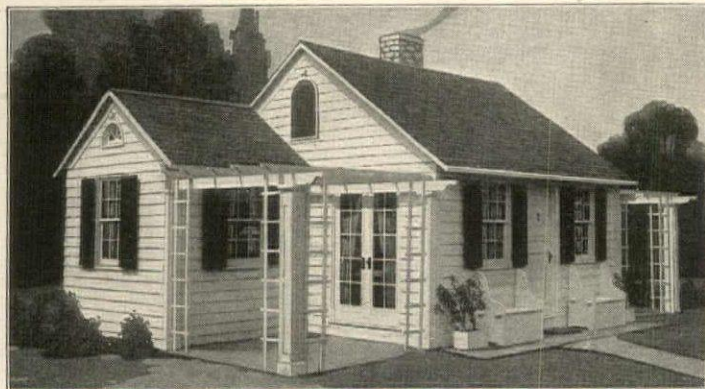
Various sizes and styles 1 to 7
 ft. long for all varieties of flow-
 ers, plants, bulbs, melons, cu-
 cumbers, etc. Light, conven-
 ient, inexpensive. Start hardy
 plants early, then tender plants
 later. Protects from frost in
 the fall. 50c each 1-4 doz. lots;
 and no glass. Special prices
 on quantity orders.

T.F. POTTER & SON 92 Maple Avenue,
 Downers Grove, Ill.

Corbin Builders' Hardware

Outlasts the building on which
 it is used and gives satisfactory
 service every moment of the
 time.

Ask your hardware dealer.



An Ideal Summer Home

THIS beautiful little Colonial House will make an ideal home for you this summer. It has been selected by our customers as the one house of all we make, best suited to the needs of a family desirous of escaping from the dust and heat of the city. Modern business methods applied to home building have created

Bossert Houses

All the bother of construction taken off your shoulders, you benefit by our methods of buying and manufacturing. Why pay the high labor costs of today, buy the finished product and live this summer out where the woods are green.

The vital economies in

labor and material effected by the Bossert permanent method, make it possible for us to sell the above house, with two 9 x 12 bedrooms, a 9 x 18 living room, kitchen and bath, with screens, lattice work and even benches included at the surprisingly low price of

Eleven Hundred Dollars

F. O. B. Brooklyn

Two men can erect this house in three days: not even a nail to buy, it can be unassembled and put up again any number of times.

Send 12 cents today for complete catalog showing Bossert details of construction and other houses.

We also manufacture the smaller "portable" or "knock down" houses.

LOUIS BOSSERT & SONS, INC.

1306 Grand Street, Brooklyn, N. Y.

The Ever Essential Rose

(Continued from page 88)

gested, is extremely important. Having done that, obtain a good compressed air sprayer, or if your garden is a large one, a portable or wheelbarrow type sprayer. As soon as the rose bushes have leaves out in the spring, or as soon as you have planted them, begin spraying with the following combinations: Bordeaux mixture plus arsenate of lead, plus nicotine sulphate. This is a general purpose spray; the Bordeaux-lead mixture is diluted according to directions and one teaspoonful of the nicotine sulphate (40%) added to two gallons of the spray.

This spray should be repeated enough to keep new growth covered through the growing season, and especially when trouble is to be expected. Bordeaux mixture protects the foliage from fungous diseases, the arsenate of lead destroys eating insects of all kinds, and the nicotine takes care of the rose aphids and other "suckers." If black spot, or mildew, appears in spite of the Bordeaux mixture, use potassium sulphide, one

ounce to two gallons of water. The pernicious rose beetle or the only sure and effective hand picking early in the morning into a small can half full of kerosene and water. With a small stick or paddle, one can get rid of these creatures a morning a very short time. For roses on porch or near the house, a slight discoloration of the leaves caused by arsenate of lead or Bordeaux is objectionable, a sprayer of moniacal copper carbonate or a green may be substituted. Repeat two or three times. Paris green to be sure that it is strong enough to do the work, not so strong as to injure the roses or dry Bordeaux or lead. Root rot, briar scab, and diseases may attack individual stems in spite of this protection. Should be kept from spreading by destroying the plants which are the source of them, or by cutting canes or parts infected if possible.

The Group in Furniture Arrangement

(Continued from page 35)

picture, mirror or other wall decoration of considerable size. In such a case the piece of "wall furniture" beneath must be of sufficient size and breadth to create balance and to be the nucleus of the group. Otherwise the wall decoration will appear to lack foundation and to be topheavy. Ordinarily, wall decorations will not dominate the placing of furniture; but exceptional cases of this kind must be carefully handled. It is possible that the picture or hanging, along with the pieces of furniture set beneath it, may form enough of a group to satisfy the eye without the addition of lesser objects on floor or wall. And be it remembered, in considering "wall groups," that what goes on the wall is to be accounted just as much a part of the furniture group as what stands on the floor.

THE PROPER BALANCE

To insure balance it is, moreover, necessary to avoid getting too many large or heavy group centers in one end or one corner of a room. The heights of the pieces of "wall furniture" should be varied and broken, not showing a preponderance of low things on one side of a room and of high things on the other. Likewise, in determining the placing of pieces that are to be group centers, consider the way in which light enters and strikes the different parts of the room and refrain from putting an inconspicuous object in a relatively dark corner, where it and the attendant objects of its group will be overshadowed. Substitute for such a position some bold and strong group center.

In grouping the "floor furniture" the trial diagrams will prove invaluable. Careful placement of furniture by groups does not necessarily imply formality of arrangement. The same room may be either formally or informally arranged according to two different schemes. As the diagrams indicate the architectural axes, it is possible to experiment with a number of different schemes of group placing. The groups may be arranged on axis, as in diagram I; or quite differently but still on axis, as in diagram II. Both of these are for the same room, a room whose architectural features are symmetrically placed.

While the symmetrical grouping of furniture in accord with architectural

axes has a tendency toward formality of effect, the result is any means necessarily formal. Diagram III shows the same room shown in diagrams I and II, but with an unsymmetrical plan of groups, that is to say, an arrangement not on axis. An unsymmetrical or "off axis" arrangement often entails greater difficulty in achieving a successful result than a symmetrical arrangement, but the result is frequently delightful to display more originality and individual personality. Incidentally, an unsymmetrical arrangement of groups is well suited to small or irregularly shaped rooms. Diagram IV shows an irregular-shaped room where furniture groups are arranged according to the architectural axes and Diagram V shows the same room with groups arranged off axis. Application of these diagrams will show how the system of experimentation worked. The same method may be applied to any room. To form a symmetrical and axial arrangement of the main groups, it is advisable to place the large pieces where they stress the architectural center of the room. At the same time the suggestion of an agreeable degree of informality and flexibility may be obtained by a few independent or "off axis" group compositions.

EACH ROOM A SEPARATE PROBLEM

It is impossible to give suggestions which will apply to every room, for each room has a different set of conditions. The only thing to do is to assimilate the methods and principles of group formation and arrangement and apply them. Care must be taken to avoid formality, which may result from bad arrangement, as well as from too many pieces of furniture. In arranging the middle part of a room helps to create an impression of balance. If a room appears too long or too broad, break up the length by placing a floor group somewhere in the middle. Cultivate a keen perception of contour, for it is essential in the composition of a group. Perception of the fine quality of contour and of the proper group formation involves more mental processes than a mere selection for color and pattern.

Salzer Vegetable Seeds Grow

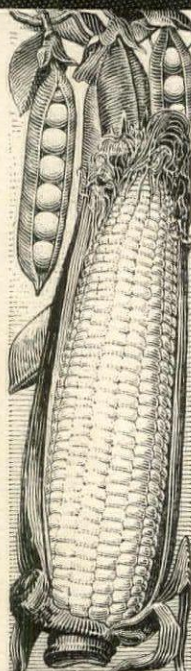


Northern grown, tested strains of highest germination and vigorous growth. Results meet your fondest expectations—and then some.

**Special
Get-Acquainted Offer!
10 Big Packages, 25c**

Beets, Cabbage, Carrot, Cauliflower, Cucumber (Prolific pickle), Leaf Lettuce, Melon, Onion, Radish, Tomato. All 10 and our big, new 184-page catalog and a package of Salzer's 1917 Specialty Mastodon Asters for only 25c. Send today and we'll include FREE our coupon good for 10c on future order. 49 years' experience back of every sale. Don't miss this grand opportunity. Write today.

**America's Headquarters
For Field Seeds
49th Year**



JOHN A. SALZER SEED CO. Box 600 LACROSSE, WIS.

A Work Saving Result Insuring Sprinkling System for your Garden

DON'T let all the painstaking work that you're going to put into that garden of yours this spring; all the seeding, hoeing and back-aching—go for naught. Protect it against the dry weather days that come along and shrivel up your flowers and vegetables.

A Skinner System Sprinkling Line is your sure insurance against such a happening.

No trouble. No bother. Just turn on the water and it does the rest. Thoroughly and uniformly waters your garden with a fine, mist-like spray. Does not pack the soil nor injure the finest foliage. Easy to put up, take down or change location. A few minutes' attention waters your garden.

Fifty-foot line, fully equipped, costs \$13.75. Waters 2500 square feet. For other lines, add 25 cents a foot extra.

For \$14 we can equip lines with an Automatic Turning Device, which will move the spray from one side to the other, and then itself shut off the water. Time of watering under full control.

Send for full information about this Skinner Sprinkling System.

Skinner System of Irrigation
231 Water Street Troy, Ohio



Hicks Trees

transplant and guarantee row. Splendid stock of 10 to 15 ft. evergreen and shade trees. Send for catalog of trees, shrubs and hardy flowers.

HICKS NURSERIES
Q. Westbury, L. I., Phone 68

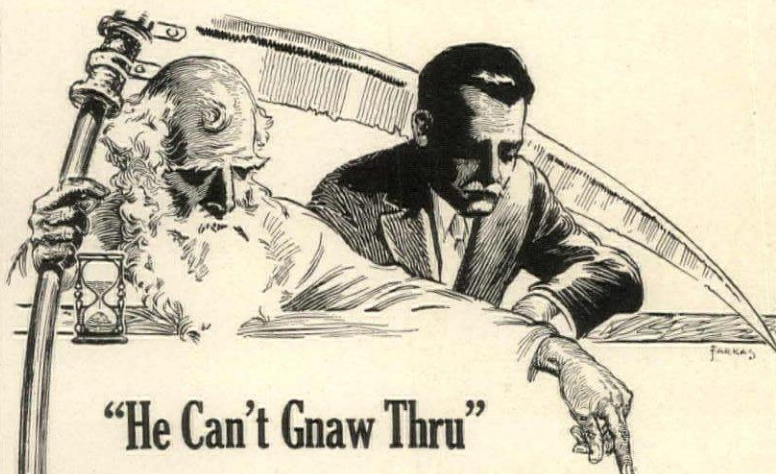
Beautiful Furniture
PROTECT FLOORS and Floor Coverings from Injury by using
Glass Onward Sliding Furniture Shoe
In place of Castors.
If your dealer will not supply you write us
ONWARD MFG. CO.
Menasha, Wis.
Kitchener, Ont.

Build Up Your Soil

Grow better crops—have nicer, better looking lawns. Wizard Brand Manure supplies the worn out soil with fertility. It makes things grow. All land needs this soil food to build up lost fertility. Use it—see the big difference in all your plants. Call for Wizard Brand Manure by name today or write for descriptive booklet. Prepared only by

The Pulverized Manure Co.
Dept. 25, Union Stock Yards, Chicago

WIZARD BRAND
TRADE MARK
CONCENTRATED PULVERIZED
MANURE



"He Can't Gnaw Thru"

Kno-Burn

(Trade-Mark Reg. U. S. P. O.)
EXPANDED METAL LATH

It's a discouraged rat that finds the fine, impenetrable mesh of "Kno-Burn" barring his further progress—no choice for him but to move to a house of poorer wall construction.

Rat proof and rot proof—a barrier to fire—a fabric that absolutely prevents the unsightly cracks that you've come to associate with plaster and stucco—those are a few of the many qualifications that have established "Kno-Burn" Expanded Metal as the standard wall base.

The cost of a house lathed with "Kno-Burn" is so little more than that of houses lathed with the cheapest types of wall base that it is not an item to anyone who is building for permanence or re-sale value.

Send for booklet 372. It gives full details and interesting cost figures. It is free.

North Western Expanded Metal Company
937 Old Colony Bldg. Chicago



North Shore Ferneries
Beverly, Massachusetts

Garden Furniture and Garden Ornaments of Beauty and Distinction.

Send for Catalog of Many Designs.

New York Agents
31 EAST 48th STREET



YOUR KITCHEN RANGE

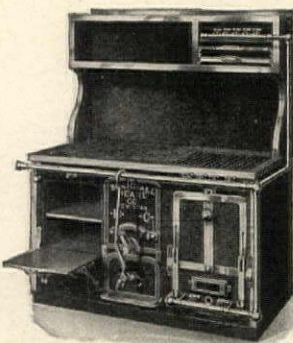
is one of the most important features of your home equipment. If it doesn't do its work efficiently, economically all the time, it becomes a costly luxury.

DEANE'S PATENT FRENCH RANGES

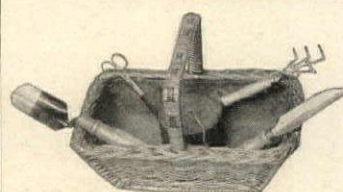
during half a century, under most exacting conditions,—in the kitchens of the foremost hotels, on mammoth ocean liners—have demonstrated their absolute reliability, low maintenance cost and superior construction. Investigate them thoroughly before you make your selection.

We also manufacture plate warmers, broilers, incinerators, cook's tables, laundry ranges, etc. Full information on request.

Bramhall, Deane Company, 261-265 West 36th St. NEW YORK CITY



No. 209—Patent French Range, in combination with Gas Range and Broiler.



Special Offer!

THIS HANDY GARDEN BASKET

for \$8.50

A most practical addition to Milady's belongings, containing spade, trowel, and all necessary implements.

Hoskins
901 Chestnut St. Philadelphia

The best kind of a gift for the woman who loves her garden.



The House & Garden Shopping Department is at your service.
See announcement on page 14.

\$5 Brings the Birds

This 4-room Dodson Wren House is built of oak. Cypress roof with copper coping. Will bring one or two wren families to live with you—cheerful, friendly, musical bird neighbors.

Order Now—the Birds are Coming

Every day sees new arrivals looking for a home. Send for your Dodson houses today. A few wren houses—a martin house, will fill your garden with insect destroying song birds. Entire collection described in catalog. Wren and blue-bird houses, \$5.00. Martin Houses, \$12. Nesting shelves, \$1.50 up. Bird baths, feeding devices.

BIRD BOOK FREE

In it, Mr. Dodson, Vice-President and Director of the American Audubon Association, tells you how he attracts hundreds of birds to Bird Lodge, his beautiful home. Sent free with beautiful bird picture in color taken from "Nature Neighbors." Write to

JOSEPH H. DODSON
731 Harrison Avenue, Kankakee, Ill.

LA PLACE
THE ANTIQUE SHOP

Objects of Art, Period Furniture, Rare Old Crystals and Sheffield Plate

Ancient and faithful copies. GIFTS of individuality and charm.

11 East 48th St. 242 Fifth Ave.
Near Fifth Ave. Near W. 28th St.
R. H. KINGSBURY **DANIEL ADAMS**
Manager Manager
NEW YORK

MR. B. RUSSELL HERTS

desires to announce his readiness to prepare for clients, studies in the Gothic, the Renaissance, the English and French periods, and the

MODERN STYLE

from the modern standpoint, which aims to make these designs unique expressions of the personalities of those who are to use them.

This can be done in garden chairs and tables, pillows, porch lamps and shades as well as in complete interiors.

HERTS BROTHERS CO.

DECORATORS

20 WEST 57TH STREET
NEW YORK CITY



After many centuries of dignified and unchallenged supremacy, OAK, "The Pride of the Permanent Home," remains today the world's premier hardwood. (And everybody knows it.) OAK is the first hardwood you naturally think of, and the last for which you will ever relinquish your inherited preference. It is "a natural heirloom wood."

GOOD OAK FURNITURE

justifies a keen search, critical insistence and a special order if need be. Why accept alternatives?

THE AMERICAN OAK MFRS. ASSN.

know the whys and hows of Oak. Ask them any sort of questions. Please address

Room 1414, 14 Main Street. Memphis, Tenn.

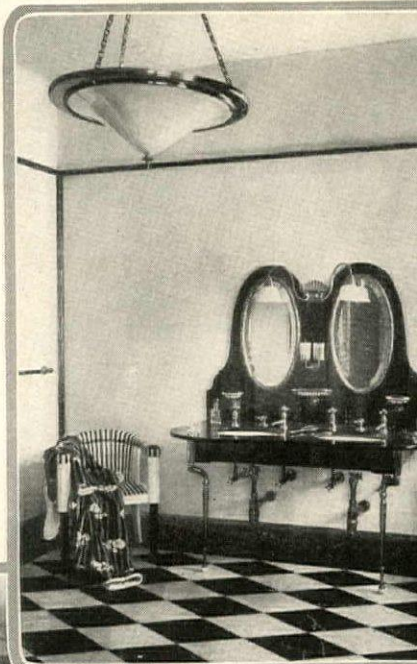


What Is Modern Decoration?

(Continued from page 20)

red or bright green in itself, if the thought behind its use is big enough to carry it. The trouble with our very good Victorians was that they didn't believe in thinking. When they wanted to be clever, they turned a Corinthian column upside down and stuck it in front of a brown stone house, or slapped a few red pillows on a green sofa and let it go at that.

Mr. Chamberlin Dodds is another whom I should include among the moderns, although he will probably subpoena me for doing so, because although he employs the historic styles extensively, he does so with a humorous personal twist, and with such resplendent color as to signalize him as one of the most



Paul Frankl, Decorator

Can bathrooms be made interesting? Certainly, if they have black and gold tile boards and basins



Herts, Decorators

The other end of the den on page 20. Woodwork is black, walls dull orange and curtains of figured linen

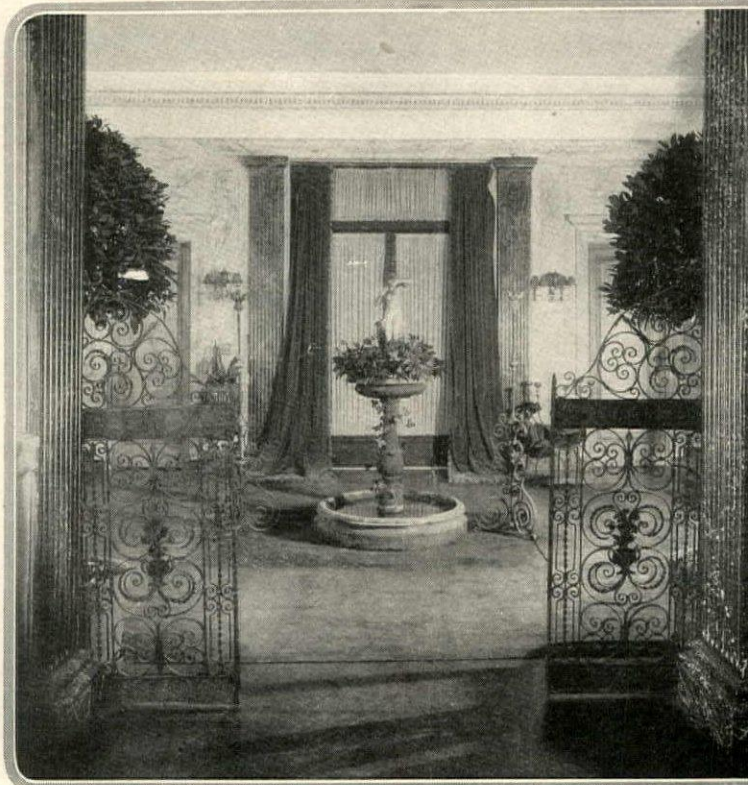
brilliant of the younger men. Mr. Paul Frankl, an architect from Germany, is strongly imbued with the contemporary art of the secession, but his designs are, in a measure, personal, and must therefore become more and more impressed with the growth of the American spirit.

In a certain sense the interior work of Mr. Arthur Hellman, and especially the idea behind his work, is typical of a rather large group of more or less modern designers.

(Continued on page 94)

An entrance hall with black and gold painted columns, iron gates, and velvet curtains

Chamberlin Dodds, Decorator





1/4 Pound
Spencer Sweet Peas
 25c Postpaid

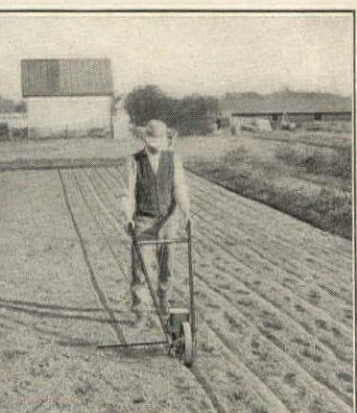
This mixture of gigantic, orchid-flowering sweet peas contains the finest Spencer varieties in all shades from purest white to darkest crimson.

This is our 1917 special offer. We will send the quarter pound of Sweet Peas postpaid to any place in the United States or Canada, together with a copy of our

New Garden Guide

containing full cultural directions. This guide also describes and illustrates the best in flowers and vegetables, and gives many helpful suggestions for successful planting. April sowing insures success with Sweet Peas. Mail your order today.

Arthur T. Oddington Co., Inc.,
 Seedsmen
 pt. H 3 128 Chambers St., New York



Which way do you work?

Do you still sow seed by the old slow laborious hand-dropping method, or use the up-to-date Planet Jr. Seeders and cover three times the acre in the same time?
 Do you still cultivate in the old back-breaking, tiring way, or use the perfected Planet Jr. d cultivators and do the work more thoroughly one-third the time?
 Do you get but meagre returns for all the time, labor and material you put into your garden; or do you get bigger, better crops with less effort and more profit?
 These are questions no crop-grower, large or small, can afford to pass unanswered.

Planet Jr. Garden Implements

No. 4 Planet Jr. Combined Hill and Drill Seeder, Hoe, Cultivator and Plow pays for itself in the single season in the family garden as well as in the acreage in time saved, labor lightened, and increased amount of work done. Sows all garden seeds (in drills or hills), plows, opens furrows, covers them, hoes and cultivates easily and thoroughly all through the season.

No. 12 Planet Jr. Double and Single Wheel Combined is the greatest hand-cultivating tool the world. It straddles crops till 20 inches high, then works between rows with one or two wheels. The plows open furrows and cover them. Cultivator teeth work deep or shallow. The hoe is a wonderful weed-killer.

Use these tools and make your work count for the season. We make 32 styles of seed drills and wheel-hoes—various prices.
NEW 72-PAGE CATALOG, FREE!
 Illustrates Planet Jr. doing actual farm and garden work, and describes over 70 different tools, including Seeders, Wheel-Hoes, Horse-Hoes, Harrows, Orchard-Beet-ers and Pivot-Wheel Riding Cultivators. Write postal for it today!

L. Allen & Co., Box 1110 K, PHILADELPHIA



JAPANESE IRISES IN THEIR NATIVE HOME

In the lower picture Japanese Irises are shown equally at home in my fields at Wyomissing. The Rev. Dr. Rice, who came here to see them after having spent many years in Japan, expressed his surprise at the luxuriant growth and abundant bloom.

In your garden they will thrive as well with only ordinary care. Spring is an ideal time to plant, as they will bloom the first season.

Farr's Hardy Plant Specialties

introduces the rare varieties collected from the old Palace and Temple Gardens in Japan—parents of many new seedlings that I have raised here at Wyomissing, and which I am now offering for the first time.

The completeness of the Japanese Iris section; Peonies in over 500 varieties;

Delphiniums, Hardy Phloxes, Roses and Rock plants; Lemoine's Lilac, Philadelphus, and Deutzias, are all notable features in this book of 112 pages of text and 30 full-page illustrations (13 in color). If you are a lover of these things I shall be glad to mail you a copy free on request.

BERTRAND H. FARR—Wyomissing Nurseries Co.
 106 Garfield Avenue Wyomissing, Penna.

I offer twelve named varieties of Japanese Irises, my selection of choice sorts, for \$2; one hundred plants in twenty-five varieties for \$12.



An opportunity to see and to appreciate the very best in building was the feature of the National Building Exposition.

A better understanding and more friendly, helpful cooperation among the manufacturers and between the manufacturers and consumers, will be the result of such exhibitions. Each year they will grow in popularity and strength, justified as they are through their helpfulness. Because of this House & Garden pledges its unqualified support to the building shows of the future.

Unusual compliments were paid to the House & Garden booth at the National Building Exposition. Enthusiastic good words brought the satisfaction of a thing well done.

We are glad to pass on these compliments to those who supplied us with the equipment for this booth.

- | | | |
|------------------------|---|------------|
| New York Galleries | - | furniture |
| Kent-Costikyan | - | rugs |
| Richard E. Thibaut | - | wall paper |
| Beaver Board Companies | - | wall board |

This equipment was used in the House & Garden booth at the Flower Show. There, we extended the same hospitality and the same helpful service to our many visitors.



This Self-Watering Plant Basket

—will insure your success with flowers and ferns this Spring. Covered with hand-woven wicker. It is one of the ILLINOIS Plant Baskets that are exhibited at the International Flower Show every Spring. Requires no care; simply fill easily detached container once a week and the water is drawn to the soil in the correct quantity thru a sponge. You do not have to take basket down to water plants. No dripping to injure draperies or floors. Measures 10 inches across top. Fitted with strong chains. Price \$6 delivered.

Send for our interesting booklet showing self-watering plant stands, window boxes and hanging baskets.

MILLER & DOING
 62 York Street Brooklyn N. Y.



54 in. long, 17 in. wide, 17 in. high
 \$26.00 Delivered in U. S. A.

GENUINE INDIANA LIMESTONE

GARDEN FURNITURE
 Easton Studios, Bedford, Ind.

CON-SER-TEX

We have just issued an attractively illustrated booklet on "ROOFING FACTS & FIGURES." We would like to send you a free copy of this booklet, together with a free sample of CON-SER-TEX. Write today before you forget it.

WILLIAM L. BARRELL CO.
 8 Thomas Street New York City



This Book On Home Beautifying Sent Free

Contains practical suggestions on how to make your home artistic, cheery and inviting. Explains how you can easily and economically keep the woodwork, piano and furniture in perfect condition.

Building?

This book will tell you of newest, most attractive color combinations for interior decorating. It gives complete specifications for finishing inexpensive soft woods so they are as beautiful as expensive hard woods. We will send you this book free and postpaid.

S. C. JOHNSON & SON, Dept. HG, Racine, Wis.
 "The Wood Finishing Authorities"

The Whitest Enamel in the world

Ask for free copy of "The White Spot" booklet.

Samples of either Enamolin or Namlac Floor Finish sent for 10c.

Address Home Dept.

**“There—
that Room is Done
—Finished with Enamolin!”**

Finished to stay finished. Finished so that it can be kept fresh and immaculately clean for years and years, merely by washing its woodwork, doors and furniture with soap and water, or Sapolio.

Enamolin looks like porcelain—wears like iron.

As for the floors of the Enamolin finished room, there is Namlac Floor Finish—as beautiful in its way as Enamolin—the most durable varnish you can put on a floor.

Enamolin and Namlac Floor Finish are on sale at the better paint and hardware stores. If you cannot secure them, write to us.

EMIL CALMAN & CO.

ESTABLISHED IN 1850

100 William St. New York



The Windsor \$35.

Length—6' 6"
Width—2' 10"
Height 2' 11"

**The New
BARTO
DAY BED**
for the
Country Home

We specialize in country house work: complete furnishings, hangings, cretonnes, etc. Representative will call.

EDWARD R. BARTO & CO., 45 West 39th St., New York
Specialists in Interior Furnishings

What Is Modern Decoration

(Continued from page 92)

American decorators. This number includes an array of young men here and there about the country, and especially a still larger number of young women, some of them pupils of Mr. Hellman himself, who have grown to care very little for period interiors, and whose study of the antique has given place to a keener interest in the furnishing of the homelike room, in harmonious, and sometimes novel color combinations. They do not, from my standpoint, attempt any wholly creative production; they do not design any furniture, but they employ reproductions of historic furniture, with distributions of color for which there is often no historic foundation or precedent.

Members of this school contend that it has thus far been impossible for us to create any furniture as attractive as that produced by previous generations. They are somewhat fearsome radicals, even though they have abandoned the ranks of the conservatives. They believe themselves, and therefore others, to be incapable of creating new forms.

Undoubtedly there were thousands of their forebears at the time of Chippendale and at every earlier great period. They are right to this extent: that we have not as yet produced the finished beauty of the finest Adam interiors, nor the marvelous excellence of design attained by the master craftsmen who worked for Louis XVI. But our critics must not forget that we are laboring and living in a bourgeois environment, that we are working in the main for middle class people with limited funds and limited leisure, and that only a very small percentage of our clientele has been awakened to even the slightest interest in genuine artistic creation. We have not as yet been able to stimulate any widespread desire to have us go further into the uncharted domain of the new art. If we do insist upon experimenting, it is at our peril, and many of us have lost first rate contracts by suggesting to the wrong people color schemes on which we had set heart and soul.

A NEW AMERICANISM

The new art is like the new life, buoyant, still too superficial, extravagant, materialistic, quick and confident. Our nation, which has mastered a continent, will certainly be able to control a few academicians. And when once we have achieved an art, it will be time enough to civilize it.

For we have still to complete the Americanization of the Modern Art Movement. Thus far its motive power has been European, but there are indications that henceforth the centre of Modern Art, and perhaps of all art, will be on this side of the Atlantic. First of all, our benevolent millionaires are beginning to show signs of adopting some other exercise for their leisure hours than the sole one attributed to them, with some justice, by Mr. Arnold Daly; that of going down to Battery Park to see whether the incoming steamers contain any passengers from Europe who can help them to spend their money. That is to say, there are signs that Americans are commencing to patronize American music, to buy American pictures, to encourage American plays, and even to engage American decorators. They have generally permitted us to paint their walls, to stain their floors and make their sofa cushions, but when they had elaborate and expensive work to give they generally prided themselves on turning it over to aliens.

These firms wrest the much worn walls of old wood paneling from owners abroad, and the old tapestries and furniture and objets d'art, and stall them for fabulous commissions in the newly acquired mansions of American magnates. I have personally examined a set of ten on which a dealer made a profit of over \$100,000. But we may be told that the chance of such things is more. And not being able to better their fortunes on antiques, Americans must begin to be influenced by modernity, effectiveness and artistic quality in the true sense.

And besides this, there is the ultimate effect of this is to be foretold in regard either to or to life. Both may receive a stimulus, a renewed vigor, or may be in abeyance, in a state of stultitude, for a generation. But of this we may feel fairly certain: that is that at the end of the century the peoples of Europe will have settled down to a sterner existence, a more economical regime than characterized them for centuries. Their governments are on the verge of bankruptcy, and they themselves are undergoing such hardships that they will look with little tolerance upon very great extravagance cloaked under the name of Art.

DECAY AND ART

We, on the other hand, are compiling a new list of multi-millionaires which threatens to increase continuously as long as the war lasts. The new access of wealth must inevitably bring with it increased demand for variety and novelty, new stimuli, new excesses. We may perhaps witness in this country an age of barbarism, undreamt of under the Roman Empire; and our effort to escape this may be accompanied by a Renaissance of all the arts. A more people does not like to imagine a condition. We prefer to think of art as the consequence of sturdy and strength, but our own history as well as that of Europe, points the reverse. It is an old commonplace that a people such as we have been from the first, a virtuous people struggling for existence and material growth, can never produce a high art. Wealth, leisure, the beginning of decay, are the basis for the artistic achievement.

THE FUTURE'S PROMISE

Thus far our accomplishments in decoration have been in part tentative, and in part crude, tentative, experimental. We have had insufficient opportunity for original expression; there has been but little encouragement, except in the couple of years, and then more particularly in the designing of interiors for the stage.

Artists, perceiving in decoration the most untouched and hopeful of the arts, have gone to it from painting and sculpture, and architecture whose interest lay primarily in design, rather than in construction, have seen new possibilities in the specialization in interior work.

It is unbelievable, inconceivable that these influences, this quick energy, this new stimulus, should lead to nothing but a knowledge of the historic periods, and the willingness to draw from them an endless series of satisfactory and pleasing schemes of line and color. Something new will come, it will come, if art is to live; and this is Modern Decoration.

How To Use FINE TREES & SHRUBBERY

CATALOG which tells what trees and shrubs are best for each garden landscape—and how to plant them most effectively.

Questions for Effective Plantings are not the usual mechanical, dull nursery catalog. To it is like going around your garden with an experienced gardener, discussing in a friendly way what the place needs. Please write for your copy as soon as possible.

Horra Nurseries

Warner Harper, Proprietor
20, Chestnut Hill, Phila., Pa.

for This
Book
At Once

SPRAYING
GUIDE



It's Double Acting
The Same Spray
With Half the Labor

Double-acting feature makes spray continuous. Any variety of spray—for trees, or bushes close at hand. Actual test showed pressure of 180 lbs. per square inch without extra effort. This means power to turn and thoroughly saturate leaves with the solution.

The All-Purpose Sprayer for trees, shrubs, plants, potatoes, etc. Furnished with convenient knap-sack tank if desired. We make sprayers in 40 styles—both hand and power. Write for FREE Spraying Guide and details of No. 5 Auto-Spray.

E. C. Brown Co.
851 Maple Street, Rochester, N. Y.

GENUINE NEW ENGLAND ANTIQUES

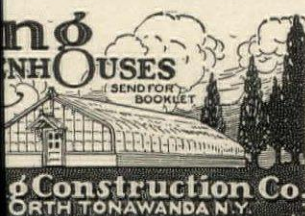
Chairs and tin articles, painted decorations for country houses. Ladder-back chairs, \$8.00 to \$15.00. Sewing machine, \$8.00; New England Rocker, fruit design, \$15.00. Four-poster bed and pewee ware. List with designs sent on request.

QUAINT STUDIO, Salem, Mass.

most complete stock of hardy plants in America

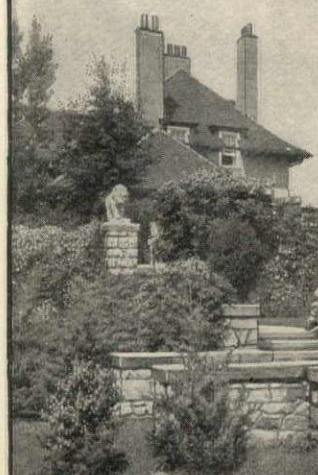
Illustrated catalog of hardy plants, shrubs, trees and bulbs sent free on request

OTT NURSERY CO.
North Avenue, Pittsburgh, Pa.



Construction Co.
ORTH TONAWANDA N.Y.

NOW is Ideal Time



Plan now for a beautiful lawn this summer. Investigate the Ideal now, so that you can have it ready for the first spring cutting.

The Ideal Power Lawn Mower meets every turf trimming requirement—insures a consistently beautiful sward. Eliminates the nuisance of a horse-drawn contrivance on your lawn, or the expense of a squad of hand-propelled machines. Easy to operate and easy to care for—makes possible double the usual lawn attention, with less labor and more economy.

Write us for full particulars—now, while making your plans for a beautiful lawn.

The Ideal Power Lawn Mower Co.
R. E. OLDS, Chairman
403 Kalamazoo Street
Lansing, Michigan

Ideal
Junior
Power
Lawn
Mower
\$225



Seed Starters. Plant Growers, Frost Foilers. For use indoors and out-of-doors the year 'round.



Made Solidly of Red Cypress. Sunny or Shaded, Airtight or Open, at your touch. Last a lifetime.

INCOMPARABLY BEST AND CHEAPEST

Two sizes by Parcel Post or Express, prepaid, anywhere East of the Rocky Mountains.
For 10" x 12" glass (210 sq. in., weight 3 1/2 lbs.) (no glass)..... 55c
For 8" x 10" glass (144 sq. in., weight 3 lbs.) (no glass)..... 45c
Cheaper still in large lots. Immediate shipment. Get a few; then your success will lead up to the wider work you can easily do for your garden with Sunlight Cold Frames or Hot-beds or a small, inexpensive, ready-made Greenhouse. Get our complete catalog. Free.

SUNLIGHT DOUBLE GLASS SASH CO., 927 East Broadway, Louisville, Ky.

An Early Selection Insures a Lower Price

Minnet & Company has a sufficient supply of beautiful hand-peeled European willow—which is absolutely necessary in making fine wicker furniture—to enable them to maintain moderate prices for a limited time. Today it is expensive and difficult to import willow from abroad and prices will probably advance greatly in a very short time. Select the furniture for your Summer Home early and be assured of the more moderate prices that obtain today. Write for our interesting catalog.

Carlton Chaise Longue

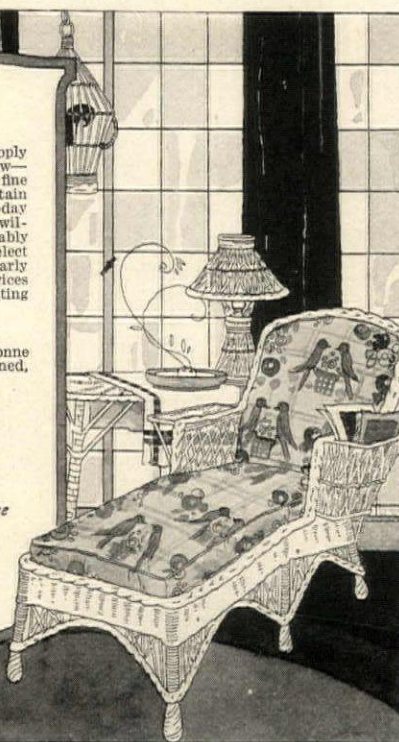
Complete in natural willow with cretonne seat and back cushions. \$28.00. Stained, \$30.00. Specially priced.

Minnet & Co

Makers of Quality Willow Furniture

362 Lexington Ave.

Bet. 40th & 41st St.
NEW YORK



The GLEN SPRINGS

WATKINS, N. Y.

ON SENECA LAKE OPEN ALL YEAR
Wm. E. Lettingwell, Pres.



The American Nauheim—

the Only Place in America
Where the Nauheim Baths,
So Beneficial to Heart Disorders,
are Given with a Natural
Calcium Chloride Brine.

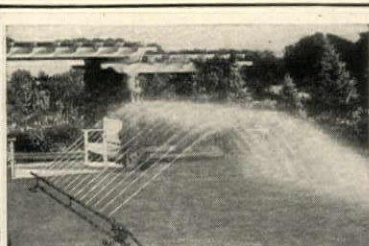
One of the most beautiful and complete Health Resorts in the country, possessing everything for the scientific promotion of rest and recuperation after a hard season of social or business activity.

THE BATHS

are directly connected with the Hotel. Treatments under the direction of physicians are particularly adapted to HEART DISEASE, Circulatory, Kidney, Nutritional and Nervous Disorders, Rheumatism, Gout and Obesity.

Ideally perfected conditions for taking "The Cure" during the Spring and Summer months.

Easily reached by motor from any direction over a thousand miles of improved roads. Send for illustrated Booklets containing full particulars regarding rates, reservations, treatments, etc.



BE PREPARED

To save your lawn and garden from burning up under the hot summer sun. You can be completely insured against this eventuality by using the new Campbell Oscillating Sprinkler.

This machine is at once reliable, durable, and entirely automatic. Simply turn on the water and let the sprinkler do the rest. The little streams of water travel from one side to the other every three seconds, thus giving an absolutely even distribution without the possibility of flooding.

Because this sprinkler waters a rectangular area it is especially desirable for watering along the edges of sidewalks, driveways and such places where any circular sprinkler would be wholly unsuitable.

Our new catalogue fully describing this, as well as many others, will be sent upon request.

THE GEO. W. CLARK CO.

259-C Fifth Avenue, New York

COMMERCIAL HUMUS

If you use HUMUS try the ideal Natural Humus—coarse, fibrous and in an active state of decomposition. The HUMUS that is different and always reliable.

Commercial Humus Co.

500 Fireman's Building, NEWARK, N. J.
Remember the name—Commercial Humus.

This New Range Is A Wonder For Cooking

Although it is less than four feet long it can do every kind of cooking for any ordinary family by gas in warm weather, or by coal or wood when the kitchen needs heating.



There is absolutely no danger in this combination, as the gas section is as entirely separate from the coal section as if placed in another part of the kitchen.

Gold Medal
Glenwood

Two Gold Medals—Highest Award
at San Francisco Exposition, 1915.

Note the two gas ovens above—one for baking, glass paneled and one for broiling, with white enamel door.

The large oven below has the Glenwood Patent Oven Indicator, and is heated by coal or wood.



See the cooking surface when you want to rush things—five burners for gas and four covers for coal.

The entire range is always available as both coal and gas ovens can be operated at the same time, using one for meats and the other for pastry. It's the range that

"Makes Cooking Easy"

Write for handsome free booklet 113
that tells all about it

Weir Stove Co., Taunton, Mass.

Makers of the Celebrated
Glenwood Coal, Wood and Gas Ranges,
Heating Stoves and Furnaces.

GORHAM GALLERIES

Sculpture by American
Artists

THE GORHAM COMPANY

Fifth Avenue at Thirty-Sixth Street
New York City

Planting Things to Grow and Live

(Continued from page 58)

be shipped at a suitable time, be ready to plant these things as soon as you get them. Order early—the people who wait until the last gun is fired before ordering their plants are the ones who make the biggest row about not receiving satisfactory stock. When plants are being selected, from either the nursery stock or the greenhouse benches, naturally the first orders are filled with the finest plants, and the smaller ones are left to the last. It is always best to have plants sent with the soil on, even though the express charges may be a little more. If there are some of the new things which you would like to have, but feel are too expensive to set out in large quantities, get a few plants this year from which to work up your own supply for next season's bloom.

Do not make the very common mistake of spading up your gardens just as you need them for planting, a little at a time. Not only to get the work out of the way, but also because of the actual benefits therefrom, have all your gardens plowed and spaded up as soon as possible after the ground is in good condition for working.

Your success with the things which you plant will depend upon the thoroughness with which you prepare the soil. If manure or sod is to be plowed under for the vegetable garden, see to it that the furrows are not turned under "flat," leaving a layer of porous material between the subsoil and the surface soil to intercept the upward action of the moisture in the soil when needed later near the surface in dry weather. They should be laid up against each other at an angle, so that the harrowing will thoroughly pulverize both soil and manure and mix them as much as possible, while at the same time leaving the surface free and clean, with all foreign matter far enough below so as not to interfere with raking and planting. The flower gardens and small vegetable gardens are, of course, prepared by hand; but forking and spading require a strong back plus intelligence. If there is much manure to be worked under, spread it evenly over the surface first, then remove a spade's width and turn over the next row into this, thoroughly mixing the manure with the soil during the operation. If the soil is deep and heavy, it will pay to work it two spades deep, although this involves considerably more labor. It should be dug or forked to a depth of 6" at least, and preferably 8".

WHEN THE PLANTS ARRIVE

In spite of doing all that is possible in advance, it frequently happens that one's plants cannot be set out immediately upon receipt from the nurseryman. It is very important to keep them in such a way that they will not be injured during the interval between their arrival and planting time. Keep all plants in flats or pots in a place where they will be shaded from the direct sun, and water frequently; in sunny or windy weather, twice a day will usually be required to keep them from getting drier than they should. If plants in clay pots are to be kept more than a day or two, plunge them to the rim in loose soil, to prevent drying.

Plants that have been shipped from a distance should be opened up immediately, loosened up if they have been pressed tightly together, and the roots carefully examined. If they are beginning to get dry, give them as much water as they will readily absorb. This may be done by placing

them temporarily in a shallow pan or tub, and putting in a little water, or by saturating sphagnum moss similar to that packed around the roots and placing it close about them. Such plants should be kept in an airy shed or a sheltered corner of the veranda, protected from the sun and wind. Shrubs, small fruits and similar nursery stock shipped with little or no soil on the roots should be unpacked and "heeled in" as soon as received. Just dig a narrow trench 1' or so deep, and bury the roots in moist, fine soil sufficiently to cover them; for convenience they are usually placed at an angle of 45° or so, close together. Plants that have been removed from the pots just before shipping and wrapped in paper to keep the root ball intact should be slipped into pots of similar size, adding a little fresh soil if necessary, and in this way kept for a week or two if watered frequently enough.

The right way of planting is little if any more difficult than any of the many wrong ways beginners find of doing the job; but a slight error or omission may result in the loss of many valuable plants. As the first seeds are planted before the first plants are set out, we will discuss them first.

PLANTING SEEDS

First of all, the soil should be in proper condition, neither too wet nor too dry. The first seed may be sown in the spring as soon as the soil has dried out enough to crumble readily when it is worked, and to dry on the surface without any hard lumps shortly after it is worked over smooth. Soil that is still so wet and sticky that it remains in hard clots which will not crumble readily in the fingers is in no condition to work, and may be permanently injured if that is attempted. In soil that is too dry, the seeds will not sprout at all or, having sprouted, the germinating root will perish before it can become established; this condition, however, is not likely to prevail at this time of year. Having your soil worked up so that it has a chance to dry out and warm up on the surface for even a few days before planting will make a material difference.

Always plant on a fresh surface. While it is always advisable to have the whole garden worked up as soon as possible, in planting "finish off" only as much as you expect to plant at one time; a finely raked surface dries up very quickly, but it is essential to get moist soil close up around the seed at planting, and the smaller the seed the more important this is. Do not consider the soil ready for planting until it is perfectly smooth, fine and free from trash.

Be careful to get your rows perfectly straight; a little extra pains in this matter will make a great difference in the work of cultivating your garden. Where seeds are to be planted in hills or in rows of varying widths, be careful to mark off carefully before you go ahead with the work, as mistakes are not easily rectified by later efforts.

One of the most important points in planting is to get the seeds in at the proper depth; this depends first of all upon the kind and size of the seeds, and secondly upon the time of the year, and thirdly upon the character of the soil. Earlier in the season and in light soils, plant shallower; later, if in dry, light soil, plant deeper than the average depth given in the planting tables which are now generally available.

(Continued on page 98)

THORBURN SEEDS



Why not a use
Garden this year

OUR catalogue is a "text book" on seeds, brim full of good suggestions, natural directions and wealth of pictures and descriptions of just what you want in vegetables and flowers.

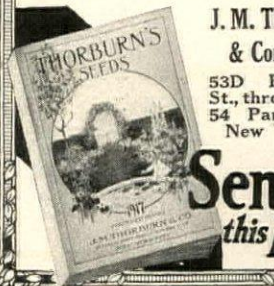
For instance, we will send prepaid, the following assortment of vegetables small family for \$1.00.

(Assortment "A")

- 1 Pa. Beans, Refugee Green-P.
- 1 " Beans, Golden Wax
- 1 " Beet, Egyptian
- 1 " Cabbage, Early Wakefield
- 1 " Carrot, Half-long
- 1/2 Pt. Corn, Early Bantam
- 1 Pa. Cucumber, Imp. White
- 1 " Leek, Best Flag
- 1 " Lettuce, Big Boston
- 1 " Onion, White Globe
- 1 " Parsley, Extra Curled
- 1/2 Pt. Peas, Thorburn's Extra
- 1 Pa. Radish, Scarlet Turnip
- 1 " Spinach, Viroflay
- 1 " Turnip, Snowball

We also have other and elaborate assortments which shown on pages 11 and our Catalogue.

Write for a copy to-day



J. M. Thorburn
& Company
53D B. St.,
St. Louis,
54 Park
New York

Send
this

The Garden Gate

31 East 48th St., New York

Everything for your

Fountains. Bird baths.
dials. Lead figures.
iron garden furniture. S
and practical tools.

New York Agents for
North Shore Fernier
of Beverly, Mass.

Beautify and make produc
idle land by planting

EVERGREEN

1000 THREE YEAR OLD TREES

Catalogue and Booklet on re

THE NORTH-EASTERN FORE
CHESHIRE, CONN.

Shield Your Home the Year 'Round

Shade trees guard the home against the intense heat of the summer sun; evergreens dull the frosty edge of winter's chilling blasts.

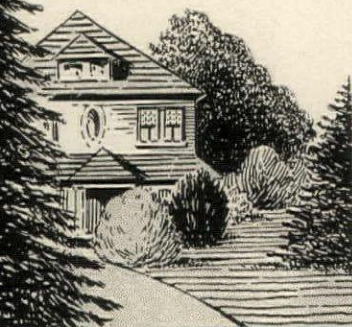
Every dollar you invest in Hoopes' trees, shrubs and roses makes your home more valuable, and better to live in.

There is a Hoopes' salesman in your locality. When he calls arrange with him to have our landscape artists prepare free planting plans. Or write us for your copy of

"Hoopes' Specialties"

a planting guide which treats good "Grown in America" specialties for every planting need.

Hoopes, Bro. & Thomas Co.
46 Maple Avenue
West Chester, Penna.



Grafted Nut Trees

Combine utility with ornamental planting with my Pennsylvania grown, hardy and rare varieties of nut trees. Catalogue and cultural guide free.

J. F. JONES, NUT TREE SPECIALIST
Box H. Lancaster, Pa.

Hill's Evergreens Grow

Beautify your home. Plant Hill's Evergreens. We are evergreen specialists, not only in growing but in planning artistic effects. Prices lowest—quality considered. Don't risk failure—Get Hill's Free Evergreen Book. Write today. Expert advice free! **D. Hill Nursery Co.,** Evergreen Specialists, Box 3014 Dundee, Ill.

"Seeds with a Lineage"

Send for catalog "Garden and Lawn."
Carters Tested Seeds, Inc.
127 Chamber of Commerce Bldg.
Boston, Mass.

CARTERS TESTED SEEDS

Grown in New Jersey

under soil and climate advantages. Steele's Sturdy Stock is the satisfactory kind. Great assortment of Fruit, Nut, Shade and Evergreen Trees, Small-fruit Plants, Hardy Shrubs, Roses, etc. Fully described in our Beautiful Illustrated Descriptive Catalogue—it's free! **T. E. STEELE, Pomona Nurseries** Palmyra N. J.

HOLCO Seed Book

Tells you what and how to plant in your vegetable and flower garden and when to plant it. Makes crops sure and dependable. Send 10c. for one package each of Giant Pansy and Aster Seeds and get the book **FREE**
THE HOLMES-LEATHERMAN SEED CO., 227 N. Cleveland Ave., Canton, O.

Do you know what silhouette you must adopt this Spring—whether straight or barreled? In what material you are to be clad—whether jersey cloth or organdy or old-time foulard? And, most important of all, what color you are to wear—whether beige or blue—gay or somber. Consult the

Spring and Summer Fashion Numbers of Vogue

Would you be smart—attractive—individual—in your gowning this season? It's quite simple. Take the first two dollars of your Spring and Summer dress allowance and invest it in the ten great Spring and Summer Fashion numbers of Vogue. Insure yourself against a wrong start. Begin with the number that finally determines the accepted mode of Spring, the

PARIS OPENINGS NUMBER

(now ready)

In the next few months, during the very period when the Spring and Summer Fashion Numbers appear, you will be spending hundreds of dollars on the suits, hats, sports clothes, and accessories that you select.

How many times has Vogue reminded you that the gown you buy and never wear is the really expensive gown? That hats, boots, gloves which miss being exactly what you want are the ones you cannot afford? Ask any reader of Vogue and she will tell you that \$2 invested now in Vogue will save you \$200 in your Spring gowning.



© Vogue

10 Numbers of Vogue for \$2

Paris Openings April 1	In the Country June 15
The complete story of the Paris Openings establishing the mode.	Society takes to sports and life in the open.
Smart Fashions for Limited Incomes April 15	Hot Weather Fashions July 1
First aid to the fashionable woman of not unlimited means.	The correct wardrobe for all outdoor sports.
Brides and Summer Homes May 1	Hostess July 15
A journey "thru" pleasures and palaces." News for the bride.	The newest ideas in mid-summer entertainments.
Travel May 15	London and Paris August 1
Places in our own country well worth a visit at least.	What is going on in the beau monde abroad.
Summer Fashions June 1	Children's Fashions August 15
The final showing of the summer modes that will be.	Outfits for the infant and for the school boy and girl.

\$2 Invested in Vogue

A tiny fraction of your loss on a single ill-chosen hat or gown

Will Save You \$200

Consider, then, that by the simple act of mailing the coupon below and forwarding \$2 (a tiny fraction of your loss on a single ill-chosen hat or gown) you assure the correctness and economy of your wardrobe not only for the remainder of the Spring but throughout the entire Summer season.

Introductory Offer Coupon—VOGUE, 443 Fourth Ave., New York City
Please send me, at your special introductory rate of \$2, the next 10 numbers of Vogue, beginning with the Paris Openings Number. I enclose my cheque (money order or cash) for \$2. (Canadian \$2.50; foreign \$3.50.)

Name..... Street.....

City..... State.....

H&G-4-1917

PREVENT THIS

Such splitting and rotting will always occur in wood columns.

UNION METAL COLUMNS

"The Ones That Last a Lifetime"

will absolutely prevent these troubles and will last as long as the house itself.

The shafts are heavy, galvanized open hearth steel, protected inside and out by special non-peeling paint.

Ask for Booklet 74.

The Union Metal Mfg. Co.
Canton, O.

LANDSCAPE ENGINEERING LANDSCAPE ARCHITECTURE

for

City homes, Country homes, Estates, Farms

GLEN BROTHERS

Glenwood Nurseries, Est. 1866
1774 Main St., Rochester, N.Y.

YOU Should Plant KING'S HARDY Old Fashioned FLOWERS

Larkspur, Foxgloves, Hollyhocks, Phlox, Columbines, Poppies, etc.

Because they represent a wonderful variety. Because they increase in size and beauty each succeeding year, and with the proper selection you can have a handsome garden with an ever changing color from May to December.

New catalog just out, lists more than 200 varieties, beautifully illustrated, tells you HOW TO GET MORE PLEASURE OUT OF YOUR GARDEN.

Send for catalog and special offer.

W. E. KING, Specialist in Hardy

Old-Fashioned Plants

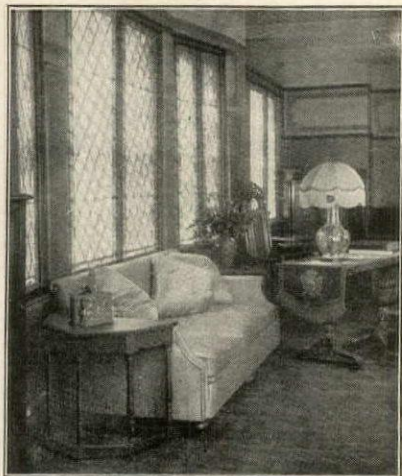
Box 327 Little Silver, N. J.



SUNDIALS

real bronze Colonial designs from \$3.50 up; also Bird Baths, Garden Benches, Fountain Sprays and other garden requisites, manufactured by **THE W. D. JONES CO.,** 71 Portland St., Boston, Mass. Illustrated catalogue sent upon request.

Furniture of Livable Character



However modest or pretentious our dwelling, its chief charm rests, after all, upon the manner of its furnishment.

Quite apparent then, is the wisdom of choosing those appointments which infuse with a truly livable atmosphere the formal as well as informal rooms, whilst contributing no meagre measure of decorative distinction.

In this interesting establishment, for two-score years devoted *exclusively to Furniture*, there exists an opportunity to make such a selection—without the distraction of irrelevant objects, without the objection of prohibitive cost.

Its diversified exhibits encompass Furniture of every notable epoch and include many unusual occasional pieces not elsewhere retailed.

Suggestions may be gained from *de luxe prints* of well-appointed interiors, sent gratis upon request.

New York Galleries
Grand Rapids Furniture Company
INCORPORATED
34-36 West 32nd St., New York

Planting Things to Grow and Live

(Continued from page 96)

It is difficult to give a rule for the amount of seeds to sow in small quantity. Small seeds sown in rows, such as carrots, turnips, onions, radish and lettuce, should be sown in a continuous row, six to twelve seeds to the inch; this is, of course, much thicker than they will be wanted but some will not sprout, and in order to make sure of a full stand, the gardener must expect to do some thinning. Larger seeds, such as beets, salsify and Swiss chard, may be sown about half that thick, and peas and beans 1" to 2" apart. Corn, pole beans, melons and similar things planted in hills are sown five to a dozen or more seeds to the hill, and thinned to two or four of the best plants. Seeds are cheap, so there is no excuse for planting too thinly; but there is still less excuse for doing what is so often done—use up in given space all the seeds there may be in the package or envelope.

Another essential thing is to have the seed in firm contact with the soil. Seeds planted by means of a drill, as they always should be if there is one available, are firmed down by the roller following the coverer; peas, beans and similar seeds which are frequently planted by hand, should, unless the soil is very moist, be gently firmed down into it with the back of a hoe before covering, and the row firmed down on top sufficiently to mark it after covering it.

A final small but important matter is to tag each thing, to make a marker giving at least the date and variety for each thing as soon as it is planted. You will want to know these things before the season is over, whether the seed comes up well or poorly.

TRANSPLANTING

What has been said about preparing the soil applies to planting and transplanting as well as to seed sowing. Of course, the roots of a growing plant are set well down below the surface; but if the surface is dry enough when the hole to receive the roots is made, this dry soil will crumble down into it and be that which will come into direct contact with the roots when the plant is set. This is, of course, just the condition which is not wanted.

It is a very frequent practice to use manure or fertilizer in the "hill" or directly under each plant set. Where this is done, care should be taken to mix it thoroughly with the soil, preparing the hills or holes in advance; otherwise, there is great danger of injuring the roots, particularly with chemical fertilizers. A mixture of fine ground bone and tankage or dried blood in equal proportions is both better and safer to use than ordinary mixed fertilizers. A small amount, about the equivalent of a table spoonful, is ample for each plant. This will give it a quick, strong start, but should not be relied upon to carry it through to maturity, the manure and

fertilizer applied before being relied upon for that.

The plants, as well as the soil, should be carefully prepared. The soil should be moist enough so that it will not crumble away from the roots when they are removed from the flats or pots. In most cases, particularly as warm weather comes on, it is well to cut back about half of the largest of the leaves. Be careful not to leave the plants exposed, even for a short time, to the winds or bright sunshine, as the roots will be injured very quickly. Except in very dry weather or in exceptionally light soil, water in the hole will not be required, but if it is, put it in before planting, or part in the bottom of the hole and part when it has been half filled—never on the surface after planting as is often done.

FIRMING IN

A point in setting plants which causes failures is that they are not sufficiently "firmed" into the soil. Very small plants may be pressed into the fine soft earth hard enough with the fingers but, in setting bedding plants, all shrubs, and vegetables such as cabbage and tomatoes, it is best to make assurance doubly sure by pressing down the soil on either side of the plant with the balls of the feet, unless the soil is very wet.

Bedding plants from pots can be knocked out readily by striking the side of edge of the pot sharply against the handle of a spade or fork stuck into the soil. Get the ball of earth 1" or more below the surface. Small plants may be set much deeper so as to make them uniform with the others. In planting hardy perennials, use coarse, ground bone, which will be found effective for a number of years.

In the case of larger shrubs, ornamental trees, fruit trees, etc., set in individual holes, be sure to dig up and enrich the holes for a generous space around each. Any roots which may have become broken or injured should be cut back clean to firm, hard wood. Such plants are often pruned or cut in ready for planting in the nursery; if they have not been, then they should be cut back according to the nature of the plant, being set out as soon as they are ready. The soil around the roots of such plants should be firmed several times during the process of filling up the hole with soil. Use your feet or a blunt tamper for this purpose. If the soil is dry, pour in water and let it soak away before finishing up the hole after it is half full.

In planting roses that have been grafted, be sure that the union of the stock and the graft is several inches below the surfaces; otherwise, the former will grow up "suckers" and it will soon become an absolutely worthless plant. Dormant roses should be planted just as early in the spring as you can get them into the soil, and should be cut back quite severely.



Rose Out-of-the Ordinary

WITH the sturdy American grown roses that am offering this year, you can make your rose garden a constant source of all summer long.

Every plant throws out good roots that insure its hardiness. Every plant is grown slowly under natural conditions and thoroughly acclimated to snow and frost. All the roses are free blooming and delicately fragrant. None of them require any special attention or coddling.

They are of a quality which know to be distinctly superior to the roses budded on other stock. My Rose Catalog describes all most favored varieties.

Send for it.

Gladioli

The surprising range of the Gladioli colorings and the wonderful markings found in its long graceful spikes, have given to the modern ones, a high place in the favor of garden lovers.

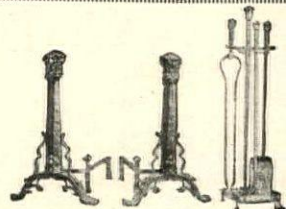
Satisfied in garden soil and requiring no nursing, they will give you a joyous succession of blooms from June to frost, if planted at intervals of about two weeks.

My American grown Gladioli bulbs are full sized solid fellows, fully developed and healthy. I guarantee them to be true to name and to bloom in bloom promise.

My Rose and Gladioli Catalog will make it easy to make your selection. Send for it.

To convince you of the surpassing quality of my Gladioli bulbs, I will send a box of 25 choice, selected bulbs, of fine named varieties, at where in the United States for \$1.

A.B. Vanderbeek
Roses and Bulbs
176 Broadway, Paterson, N.J.



Beautiful Andiro

Gas Logs
Screens
Fire Tools
Dampers
Basket Grates
Fenders
Coal Hods
Wood Holders

ASK FOR CATALOG "D"—FREE

WE PREPAY FREIGHT

Select from our unlimited assortment of brand new, unsoiled, up-to-date perfect goods.

ASK YOUR BANK, DUN or BRADSTREET

SUNDERLAND BROS. CO., Established

334 So. 17th St., Omaha, Neb.

GALLOWAY BROS.
LANDSCAPE ARCHITECTS
WATERLOO IOWA
DEPT. 10

P. F. SCHEIBE - MANAGER
EXPERTS in AMERICAN and EUROPEAN INTERIORS
HOME GROUP
CITY PARK
CEMETERY PLANT

CHOICE ANTIQUITIES

Fine old colored glass, spinet desk, maple highboy, five-slat arm chair, Field one pair glass chandeliers, stencilled painted furniture, Lowestoft, dark blue, and copper lustre. Hepplewhite sideboard, Bennington, English pottery, fire screen with old silk picture, mahogany shelf clock. Send for list.

MRS. CHARLOTTE E. PAGE
66 Atwater Terrace, Springfield, Mass.



Water Supply Country Homes

can have just as efficient supply in the country as in the city with the Kewanee System. For running water is needed, from the smallest farmhouse to the largest country estate, all requirements can be met with the

KEWANEE

Water Supply System

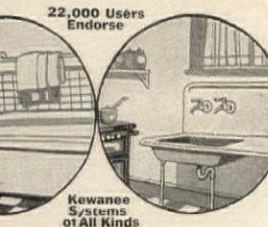
Kewanee is the original air pressure system, giving an abundance of water under strong pressure for bathroom, kitchen, garage, garden, barns and more. No elevated tanks to maintain in winter and become stagnant in summer. Exceedingly simple to operate and absolutely safe. Ready for a life-long unexcelled service as soon as the shipping crate is taken off.

For complete information and descriptions of these Kewanee systems, write to Kewanee Electric Light and Sewage Disposal Plants, Gasoline

Free Private Utilities Company

Write Kewanee Water Supply Co.

100 North Franklin Ave., Kewanee, Ill.



OLD ANNUAL FREE

... need it. Hundreds of handy, ... pages. Splendid illustrations. ... tainly will be glad you sent for it. ... nual we've ever issued—absolutely

r, Fiske, Rawson Co.
111 Hall Square, Boston, Mass.

FOR PAINT

lasts unusually long under trying conditions your choice first and last—will naturally be

Low Brothers
HIGH STANDARD

No payment accepted unless successful.

Also expert services on general chimney work.

FREDERIC N. WHITLEY
Engineer and Contractor
219 Fulton St., Brooklyn, N. Y.

Hardy Plants, Lilies and Garden Specialties

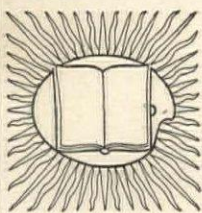
Send for our 1917-18 catalogue.
Over 500 fine varieties of lilies.

ow Gardens 1970 Montreal Ave.
ST. PAUL, MINN.

BIRD HOUSE

PLANS. Make your garden "different," with home-made houses designed by A. Neely Hall, pioneer bird-house builder. Birds will return to them year after year. You make your garden. Why not its bird houses? Your boy or neighbor's boy can help. A. Neely Hall's 25 copyrighted tell-how plans, used everywhere in school and home, hints for a boy's factory, membership in Bird-House League, certificate, badge, etc., in con. Descriptive circular for stamp.

ether Handicraft Shop, Dept. O. Elmhurst, Ill.



Century Spring Publications

AURORA THE MAGNIFICENT

By GERTRUDE HALL

The story of a Cape Cod woman in Florence, described by the British consul as possessing "a warm voice like the crimson heart of a valentine." How she bought what she liked and not what she thought she ought to buy; how she saw beauty in marble lemons and objects of mimicry in Simma Bewey's (Cimabue's) Madonnas, and how, notwithstanding, she won the hearts of the sophisticated and the super-refined American colony—make a story of unusual and distinctive charm.

Illustrated by
Gerald Leake

Price \$1.40

THE STINGY RECEIVER

By ELEANOR HALLOWELL
ABBOTT

The story of a modern Diogenes—a worldly-wise invalid widow, enormously wealthy—who searches the world with the lamp of munificent gifts in search of one generous receiver. How her undesired gifts bring together Dr. Sam Kendrue, and Solvei Kjelland, who is from Norway and radiant with laughter, adds another light and sparkling romance to this popular author's credit. Underlying the humor of absurd situations and the witty byplay is an earnest plea for greater consideration of those who give.

Illustrated by
Fanny Munsell

Price \$1.00

TRAILS SUNWARD

By CALE YOUNG RICE

A new volume of poems—lyric, dramatic and narrative—by this versatile poet.

"His interests are very wide ... and his books open up a most varied world of emotions and romance."—Gilbert Parker.

"Endowed with perennial vitality ... The most distinguished master of lyric utterance in the new world."—Philadelphia North American.

Price \$1.00

RED RUGS OF TARSUS

By HELEN DAVENPORT GIBBONS

Letters from an American Bryn Mawr girl in her first year as the missionary's wife at Tarsus to her mother, 4000 miles away at home. The thrilling experiences of these young Americans during the Armenian massacres as told by the young wife make a dramatic and heroic tale of tense human appeal.

Frontispiece

Price \$1.25

SHORT RATIONS An American Woman in Germany

By MADELEINE Z. DOTY

A woman's viewpoint of war-cursed England, France and Germany, and of the tragic consequences to each of the economic conditions now existing. Of absorbing interest to every woman who holds the welfare of individuals the supreme test of a nation's good.

Seventeen illustrations

Price \$1.50

At All Bookstores
Published by

THE CENTURY CO. 353 Fourth Ave.
New York



The Dignity of an "Occasion"

is never endangered if you have had the good taste to install

THE TRENTON POTTERIES CO.

SIWEL-CLO
SILENT CLOSET

So silently perfect in operation is the Siwel-clo that it cannot be heard outside the bathroom.

Built on the most sanitary principles—of china, vitrified and glazed so that soil will not cling to its surface. A damp cloth removes any trace of dirt.

The same is true of our bathtubs, lavatories and other plumbing goods. Your entire plumbing should be of all-clay materials. You will find them ultimately economical, and the cost of installation and fittings is the same as on the cheapest. The "Star and Circle" trade-mark is your insurance of the best.

Write for Booklet P-8, "Bathrooms of Character." It shows the better way of bathroom arrangement.

The Trenton Potteries Co.
TRENTON, NEW JERSEY, U. S. A.

World's Largest Makers of Fine All-Clay
Plumbing Fixtures

Going to Build? **YALE**

Then write for our interesting book written just for prospective builders.

YALE & TOWNE MFG. CO., New York
Canadian Yale & Towne, Ltd., St. Catharines, Ont.

The Handy Box of Plant Labels

Assortment complete, from 3½-inch tag label, copper wired to 10-inch garden label, 300 in all, with marking pencil; packed in a neat, strong box for mailing. Needed in every garden. An appropriate present to a friend interested in gardening. Price \$1.10 postpaid. Beyond the fourth zone add fifteen cents. W. H. Bayles, Verona, New Jersey.

Marshall's Matchless SEEDS and BULBS

Our 1917 catalogue containing 96 pages, will be mailed free on request

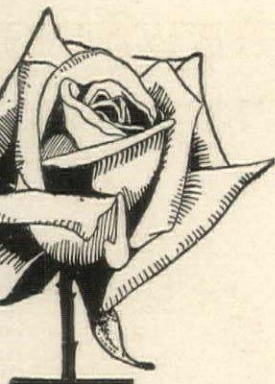
W. E. MARSHALL & CO.
Seedsmen
166 West 23d St., New York

PLANS and PLANTS

is a dependable 48-pp. Guide for the tasteful planning, planting and care of Home Grounds, Gardens, Shrubs, etc. Enables you to choose from confusing Catalog lists, those Trees, Shrubs and Flowers you ought to have, will like best and are easiest to grow. Gives practical solutions for most Garden problems. Tells how to avoid costly mistakes.

32 beautiful and helpful pictures of well-planted Grounds and Gardens. 15 detailed Planting Plans. Price 20 cents (stamps). Send for it today.

H. A. DURAND
500 Lee Avenue Webster Groves, Mo.



Value This Month

Unusual offer enables you to have lovely display of everblooming Roses at almost no cost. The price of these Roses is 5 for \$1, but double for the money—10 Roses of different kind, properly labeled and paid, all for only \$1 (or 60 for mention this paper. If you choose Roses, don't miss this ORDER NOW.

WILLIAM B. FARGO
FRENCHTOWN, N. J.

LETT'S

Hardy Ferns and Flowers
For Dark, Shady Places

Plan NOW to get ready to plant your native ferns, plants and bulbs early in the spring. Early planting brings best results.

Send for descriptive catalog of over 80 pages. It's FREE.

EDWARD GILLET
10 Main Street, Southwick, Mass.

ford's Cold Weather

and Flower Seeds that Grow! Old-Fashioned Flowers. Hardy Ferns, Bulbs, Shrubs, Trees, etc. Also an attractive line of seeds and Lily Bulbs. Don't fail to order before placing your orders. now.

DRSFORD, Charlotte, Vermont



boyhood's painless play, at wakes in laughing day, that mocks the doctor's rules, age never learned in schools."

—WHITTIER.

Summer Camp

our boys or girls?

ng about what's best for next summer? Then turn Summer Camp Section of

er's Magazine

is in Harper's Magazine you find the announcements of summer camps, as well as late and preparatory schools, colleges, than in any other publication—the widest, the best, the most dependable selection.



Town & Country

SOCIETY, COUNTRY LIFE, ART, LITERATURE, RECREATION, TRAVEL

TO cultured MEN and WOMEN of the WORLD it is the indispensable magazine because it represents the best in American life—social and intellectual.

In sumptuousness of production, Town & Country has stood unsurpassed among ILLUSTRATED PAPERS for a quarter of a century, not excepting such famous publications internationally as Country Life of England or L'Illustration of France.

While an intimate personal note runs through all of its pages, Town & Country is never "cheap" nor intrusive. Brilliant departments, such as its notable London Letter, characterized by a world point of view, combined with a background of illustration, cleverly "edited" both as to interest and artistic value, have given this publication an outstanding individuality and prestige unique among all American magazines.

As Town & Country comes to you THREE TIMES A MONTH, it is more complete, authoritative and timely in all of its departments than are magazines devoted wholly to the fields of ART, the DRAMA, AMATEUR SPORTS and SOCIETY, or to COUNTRY HOUSE and COUNTRY CLUB LIFE.

36 issues . \$5.00 a year . 25 cents a copy
Read carefully the coupon printed below

Town & Country is never sold at a cut price or with premiums but the COST PER SUBSCRIPTION COPY is lower than that of any contemporary magazine, and the measured value is that of 36 issues against 12, or at most 24, of other magazines.

TOWN & COUNTRY, 8 West Fortieth Street, NEW YORK
You may enter my subscription for the next fifteen issues of Town & Country and \$2.00 is enclosed herewith.

Address _____

What Now? a blizzard a cold snap snow or hail more rain hot weather

but why guess

Sunsets, winds, rainbows, or stiff joints forecast the weather about as accurately as tea leaves tell fortunes. Weather changes depend upon atmospheric conditions—accurately foretold by a

Tycos Barometer

Get one and have a Weather Bureau of your own—a Bureau that will help you to keep your health and tell you what to wear in advance of weather changes.

Scientifically constructed—adjustable by anyone to 3,500 ft. altitude. Five inch brass lacquered case; enamel metal dial.

If not at your optical or instrument dealer's, remit \$10.00 direct and we will ship you one at once.

Send for 36-page Barometer Book

Taylor Instrument Companies
Rochester, New York
World's Largest Manufacturers of Scientific Instruments

Plans for Your Garden

should include WHEATLEY GARDEN POTTERY, — Bird Baths, Shapely Vases and Pots and Benches. Our catalogue on request.

WHEATLEY POTTERY

is weather-proof, — and very inexpensive. Order direct from the Pottery.

We pay freight on all purchases amounting to \$5.00 or over. (U. S.)

Wheatley Pottery
2427 Reading Road
CINCINNATI

Established 1879
Dealers Attention

Reiber Bird Homes

The only Bird Houses that actually attract the Birds because they supply the natural nesting conditions.

The only Bird Houses that really protect and conserve bird life.

Scientifically constructed. The inner nesting chamber, entirely independent of the outer walls, maintains an even degree of temperature and moisture—an absolute necessity for successful hatching—whether the house is placed in the sun or shade.

Prices from \$1.50 to \$36.00

Reiber Bird Homes, Feeding, Watering and Supply Stations are the result of the life-long study of E. H. Reiber, "The Bird Man," and are protected by U. S. Patent. Designing and executing of Bird Gardens a specialty.

We will gladly send you our book describing these exceptional Bird Homes.

REIBER BIRD HOMES, West Webster, N. Y.

EVERY GOOD of Outside Shutters

with additional advantages, is obtained if you install the

MALLORY SHUTTER WORKER Operated from the Inside

No opening of windows or screens—no exposure to bad weather—no admittance of flies or mosquitos, because you can open, close or lock shutters in any position inside your room. This simple device is easy to put on any new or old dwelling and costs a little more than the old-fashioned and troublesome fixtures—a child can operate.

Drop us a postal for full information. Do it now and soon enjoy outside shutters as you never have before.

Mallory Manufacturing Co. 255 Main Street, Flemington N. J.



BIRD BATHS

are a source of endless pleasure. The birds they attract to your garden bring life, color and delightful entertainment.

Erkins Bird Baths are to be had in a variety of distinctive designs and are rendered in Pompeian Stone, a marble-like composition that is practically everlasting.

Send for illustrated catalogue.



The
Erkins
Studios

226
Lexington
Avenue

NEW
YORK
CITY

Boston Garter

SILK
50
Cents

Velvet Grip

LISLE
25
Cents

Gives men more service and more comfort for its cost than any other article they wear. It's put on and taken off in a jiffy and holds socks neatly and securely.

George Frost Company, Makers, Boston

GLASS CLOTH

A transparent waterproof fabric, guaranteed to generate about the same warmth and light as glazed sash, or money back. For all forcing purposes. Sample 3x6 feet. 50c prepaid.

PLANT FORCERS

TURNER BROS., Bladen, Nebraska



At the Family Table

For the complete, correct and perfect illumination of your home, specify S. & A. lighting fixtures. For authoritative lighting information send to-day for free catalog E.

SHAPIRO & ARONSON
20 Warren St. New York City.

Marble

Mantels - Consoles
SunDial Pedestals
Benches - Fountains

S. KLABER & CO.
Established 1849

21 West 39th St. N. Y.

Books for the Discriminating RINGS

By GEORGE FREDERICK KUNZ, Ph.D., author of "The Curious Lore of Precious Stones" and "The Magic of Jewels and Charms." Profusely illustrated in color and doubletone. Net, \$6.00. A wonderful book on finger rings in all ages and in all climes by America's most famous gem expert. Everything about rings in one volume. This work should have been called 'The Romance of the Ring.' It is intensely interesting and at the same time an authoritative reference work.

WINTER JOURNEYS IN THE SOUTH

By JOHN MARTIN HAMMOND. 64 illustrations. Net, \$3.50. A fascinating book on the winter resorts of the South all the way from the Sulphur Springs to Palm Beach and St. Augustine, pictured by the author himself with new photographs taken especially for the work.

PARKS

By GEORGE BURNAP. Official Landscape Architect, Public Buildings and Grounds, Washington, D. C. 164 illustrations. Frontispiece in color. Net, \$6.00. The only exhaustive book on the subject and by the foremost authority on the subject. Contains many new hints from the finest European examples of Park work as well as American.

Practical Books of Home Life Enrichment

Practical Book of Early American Arts and Crafts

By HAROLD DONALDSON EBERLEIN and ABBOT McCURE. 232 illustrations. Colored frontispiece. Net, \$6.00. Postage extra. A thoroughly practical book for collectors, artists, craftsmen, archaeologists, libraries, museums and the general reader. The volume is the result of great research and a wide knowledge of the subject.

Practical Book of Architecture

By C. MATLACK PRICE. 255 illustrations. Net, \$6.00. Postage extra. Not only a book for the man or woman who wishes to build a home (and for whom it is more helpful than any work previously published), but a book which tells the general reader what he needs to know about architecture—about the buildings he sees in America or Europe, public as well as private.

The Practical Book of Period Furniture

By HAROLD DONALDSON EBERLEIN and ABBOT McCURE. With 250 illustrations. A special feature is an illustrative chronological key for the identification of Period Furniture. Octavo. Handsome decorated cloth, in a box, \$6.00 net. Postage extra.

TOWN AND COUNTRY, New York:

"The perfect period furniture book has been long awaited. It now at last seems to have appeared."

The Practical Book of Oriental Rugs

By G. GRIFFIN LEWIS. New Edition. Revised and Enlarged. With 20 illustrations in full color. 93 illustrations in doubletone. 70 designs in line. Folding chart of rug characteristics and a map of the Orient. Octavo, handsomely bound, in a box, \$6.00 net. Postage extra.

LITERARY DIGEST, New York:

"The purchaser who is beginning to feel the fever for collecting oriental rugs can also acquire the beginnings of expert knowledge in these pages, and learn to distinguish the different classes of rugs as they are known in Turkey, Persia, Turkestan, and China."

The Practical Book of Outdoor Rose Growing

By GEORGE C. THOMAS, JR. Third Edition. Elaborately illustrated with 96 perfect reproductions in full color of all varieties of roses, and 8 halftone plates. Octavo, handsome cloth binding, in a box, \$5.00 net. Postage extra.

BULLETIN OF THE GARDEN CLUB OF AMERICA:

"Lovers of roses will find the text well written, practical and reliable and the many colored plates absolutely fascinating. It is a book that one must have."

The Practical Book of Garden Architecture

By PHEBE WESTCOTT HUMPHREYS. With frontispiece in color and 125 illustrations from actual examples of Garden Architecture and House Surroundings. Octavo. Handsomely decorated cloth binding, in a box, \$6.00 net. Postage extra.

COUNTRYSIDE MAGAZINE, New York:

"One hardly realizes the possibilities there are in a garden for the average man, until he has seen 'The Practical Book of Garden Architecture.'"

J. B. LIPPINCOTT COMPANY
PUBLISHERS PHILADELPHIA

Interest You Children in a Garden

THE

MARY FRANCES GARDEN BOOK

By Jane Eayre Fryer

In the simplest possible way, story, and in the most fascinating of style, the Mary Frances Garden Book actually teaches children how all their favorite flowers and vegetables—how to prepare the soil, how to sow the seeds, the names of parts of the plant, how to care for growing plants, gives an outline of each month for a year. It instills a love and appreciation of plant and animal life of all nature.

Colored illustrations on every page

SENT FREE For Examination

If it does not exceed your expectations, it is yours. If you want to remit the price, \$1.50 and 20c postage.

THE JOHN C. WINSTON
430 Winston Bldg. Philadelphia

Grow Pecan and other Nuts

\$100 to \$300 per acre profit growing Chestnuts, Hickory Nuts, English Walnuts. Makes lawn, roadside, waste land profitable. Fine for shade, hardy varieties for northern planters and guaranteed true to name. Northern Pecan Nursery in America. Free illustrated book. Reliable agent.

McCoy Nut Nurseries
726 Old State Bank Bldg. Evansville, Ind.



Hardy from Louisiana

Write for Literature and Trees \$1.25 to \$20.00 each

The Garden Nurseries

A. E. Wohler, Proprietor

Narberth, Pa.



DWARF TREES

WARF TREES

are best for home garden

need less space

BEAR QUINCE and produce

fruit. You can grow

bushes, pyramids, corner

espallier forms as described

our FREE CATALOGUE

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE

PEAR

PLUM

CHERRY

PEACH

THE VAN DUSEN NURSERIES, C. C. McKay, Mgr., Box B, Portland, Ore.

APPLE



NERO AT THE CIRCUS.—This beautiful painting by Siemiradzki depicts a sample scene from the life of the brutal Nero. The pages of Roman history are filled with his bloody deeds. Tyrannical, profligate, matricide and suicide, he presents, perhaps, history's crowning example of the misuse of great power. A number of articles concerning him, from the classic writers of Rome, are included, among hundreds of others, in

The Best of the World's Classics

Ten Beautiful Large De Luxe Volumes. Edited by Senator Henry Cabot Lodge.

A Collection of the Greatest Passages in the Literature of all Ages

Ideas and Ideals

Thousands of classic ideas and ideals, the pleasant, the useful, the wise, the sublime—practically the net result of ages of thinking—are here gathered together by the great Senator from cultured New England, for the pleasure and profit of the average man of to-day.

They Constitute the Most Unique Collection in Literature

Senator Henry Cabot Lodge (called "the scholar in politics") has combed the literature of the world and he presents here a collection of reading matter which is unique in its variety and possibilities to the casual reader.

Wide and Entertaining Variety

Not to be familiar with some of these great passages is a misfortune indeed. Glance through the titles and think of how pleasant you can make your odd reading moments, with these, the "high lights" of all literature. And realize, also, the immense intellectual benefit you may derive from communication with these, the greatest writers of all time.

Here are a FEW suggestions of the wide scope and tone of its contents taken at random from the index to the books: Cowper, On Keeping One's Self Employed; Burke, On The Principles of Good Taste; David Hume, The Defeat of the Spanish Armada; Lord Chesterfield, of Good Manners, Dress, and the World; Matthew Arnold, The Motive for Culture; Herbert Spencer, The Ornamental and the Useful in Education; Swift, On the Art of Lying in Politics; Swift, On Pretense in Philosophers; Marcus Aurelius, On His Debt to Others; Cicero, of Brave and Elevated Spirits; Epictetus, Of Friendship; Emerson, On

His Visit to Carlyle; Adam Smith, The Advantages of a Division of Labor; Sir Richard Steele, of Companions and Flatterers. These are but 15 of the 453 selections which make up the work.

Truly they represent the sum total of what is edifying and profitable in literature. Perhaps nowhere else is it better shown that, as Lord Bulwer has said, "It is the glorious doom of literature that the evil perishes and the good remains."

Casual Reading—Lasting Benefit

Here you may possess yourself of the heritage of the ages. What the master minds of the past have thought on scores of ever-human topics you may make your own, and mold into your very mentality by the pleasant means of casual reading.

As a History

of the World's Best Literature it is immensely valuable. A brief biography of each author is given in addition to selections from his work.

Beautifully Bound and Printed

In this work, "The Best of the World's Classics," edited by Senator Henry Cabot Lodge, there are ten beautiful, large volumes, illustrated with half-tone and color-tint portraits of some of literature's celebrities. The books are bound in rich green three-quarters leather with substantial cloth sides of harmonious light green—not sides of paper as

in so many imitation de luxe books. Each page is bordered and printed in two colors. Elegant gold back designs add to the attractiveness of the books.

We Sell Direct by Mail—No Agents

If this work was sold through subscription book agents, we should have to ask at least \$25.00 for it. Shipping it direct from our bindery to your home, with no intermediary profit sharers, we are enabled to sell at the low price of \$19.00, and give you the privilege of paying in small monthly instalments.

No Money Now

You send no money now. Simply sign and mail to us the Examination Request Form herewith, and we send the books on approval. If they are satisfactory, keep them and remit \$1.00 as the first payment. If you do not want the books after examination, return them at our expense. You lose nothing—we pay the carriage charges both ways. No agent will call upon you, everything is arranged by mail. But Sign and Send the Coupon To-day.

Good literature enlarges the mind—multiplies, adjusts, rectifies, and arranges the ideas

Through Subscription Agents they would cost you

\$25.00

Direct from our Bindery TO YOU for

\$19.00

DeLuxe Edition—The Best of the World's Classics
FUNK & WAGNALLS COMPANY, Publishers
354-360 Fourth Avenue, New York

GENTLEMEN—Please ship me, carriage prepaid, one set of the De Luxe Edition of "The Best of the World's Classics," edited by Senator Henry Cabot Lodge—ten volumes, bound in three-quarters leather. If satisfied with the same, I will remit \$1.00 within five days after receipt of the books, and \$1.00 a month thereafter until I have paid the full Special Price of \$19.00. If not satisfied with them, I shall return them at your expense and owe you nothing.
H&G-4-17

Name

Address
Street and No. or R. F. D.

Post Office

Date.....State

Funk & Wagnalls Co., 354-360 Fourth Ave., New York



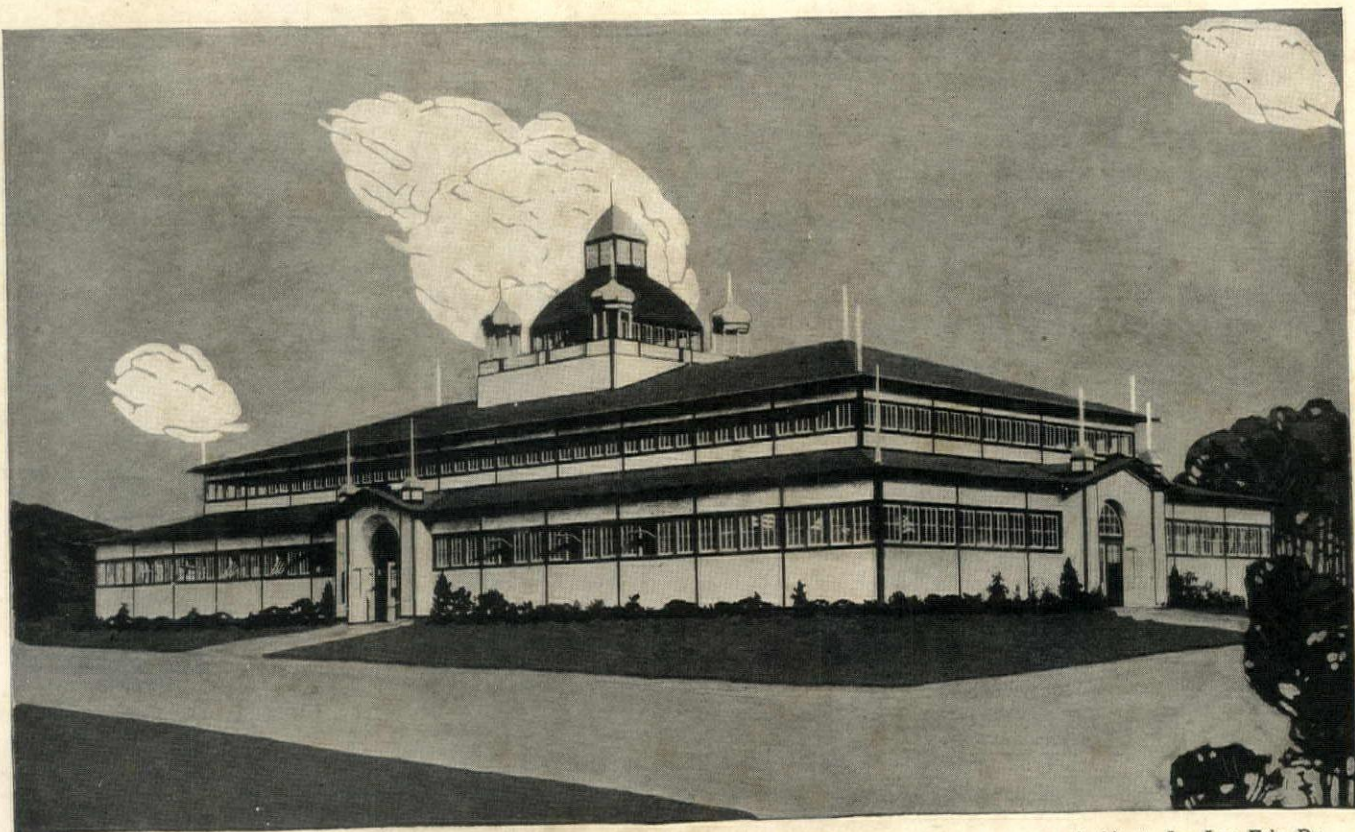
The circulation of Collier's for nearly a year past has approximated or exceeded a million copies per week and is now firmly established above that figure.

When a magazine passes the million mark (and that means being read by many more than a million persons) all sorts of things might appear to be possible.

But as our plan has always been aimed at steady progress, it seems

unnecessary to change it much just because we are bigger and more prosperous and more folks are coming to our round table. We mean to go very much as we have gone, and take it as an elementary truth that the reasons for our present prosperity will properly be to-morrow the reasons for our further growth.

If Collier's can help to build up the spirit of constructive nationalism, make the nation more of a nation and the citizen more of a citizen, sure that will be something worth working for.



Exposition Building, Erie, Pa.

Stucco Finish on Bishopric Board.

Architect, Jos. Lee, Erie, Pa.

NOW the Stucco Building is Preferred

Stucco is admittedly an artistic and attractive exterior finish. And *now* it can be made *lasting* and *economical*. Bishopric Board makes it possible. How? By applying principles that ages of actual use in building construction have proven the most efficient.

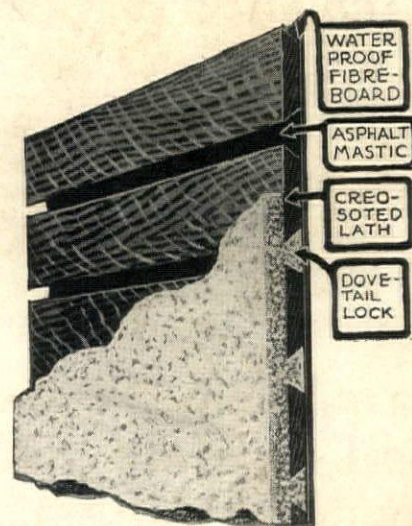
First, your Stucco mixture *must be right*. This is *important* but easily accomplished if correct instructions are followed—our catalog contains full information about mixing stucco.

Now apply it properly on a *Background of Bishopric Board*. Note how it is *anchored* to the background! Those dovetailed joints between the lath *clinch* the stucco—it *can't* let go! And nails through every lath hold the Bishopric Board firmly and securely to the building. There is *no breaking away* and *sagging*, causing the stucco to crack and chip off.

The lath in Bishopric Board are *thoroughly creosoted* to preserve them. They are imbedded in Asphalt Mastic on a background of heavy fibre board, making a fireresisting combination that is proof against vermin, changes in temperature and moisture.

Bishopric Board will add years to the life of a building and make it warmer in winter and cooler in summer.

Finally, Bishopric Board, under the severest scientific tests and in actual use, has *proved* its superiority.



Bishopric Board clinches the stucco

The Bishopric Manufacturing Co.

901 Este Avenue

Cincinnati, Ohio



Send for free samples and our book "Built on the Wisdom of Ages." It tells all about Bishopric Board and gives some interesting scientific tests. It illustrates homes and other buildings constructed with Bishopric Board and gives letters from builders, architects and users.



"FAIRIES IN ROSELAND"

You, too, can have a Harvest of Bloom

—if you start right. First, choose a reliable firm of Rose Specialists, (this one is backed by 50 years' experience). Second, Reliable Roses (all C. & J. Roses are guaranteed to grow and bloom). They are "The Best Roses for America." Over 400 varieties—many of which will thrive in any climate. We have an extremely fine selection of Hardy Climbing Roses, other than those described here. Full description in our free 1917 Floral Guide.

AMERICAN PILLAR

Introduced by The Conard & Jones Company. Exquisitely lovely; rich, rosy-pink flowers with a mass of golden stamens in the center of each. Foliage is large, thick and shiny, and furnishes the plant from the ground up; a vigorous, hardy climber.

"The 'American Pillar' is the grandest of all my 200 varieties; a novelty indeed. Over 500 buds today."

De Larma McCollum, Houston Heights, Tex.

CLIMBING AMERICAN BEAUTY

has the deep pink to crimson color and the delicate fragrance of the famous American Beauty bush. Grows to a height of 15 feet, producing literally dozens of perfect blooms at one time. Grown anywhere without winter protection.

Prices for American Pillar and Climbing American Beauty. 2-yr. size, 50c each; 12 for \$5. Extra-large size, \$1 each; 6 for \$5. By express.

SPECIAL OFFER HARDY CLIMBERS

- (1) Dorothy Perkins (pink)
(3) White Dorothy

- (2) Red Dorothy Perkins
(4) Gardenia (yellow)

One each of the above four hardy climbers as follows:
1-yr. size—75c postpaid
2-yr. size—\$1.75 by express

Star-size—\$2.75 by express
Extra-large size—\$3.75 by express

Cut your first C. & J. Rose right now—Send the coupon for Floral Guide

The **CONARD & JONES CO.,** BOX 126X, WEST GROVE, PA.

Robert Pyle, President

Antoine Wintzer, Vice-President

Please send your 1917 Floral Guide free to
Name.....
Address.....

